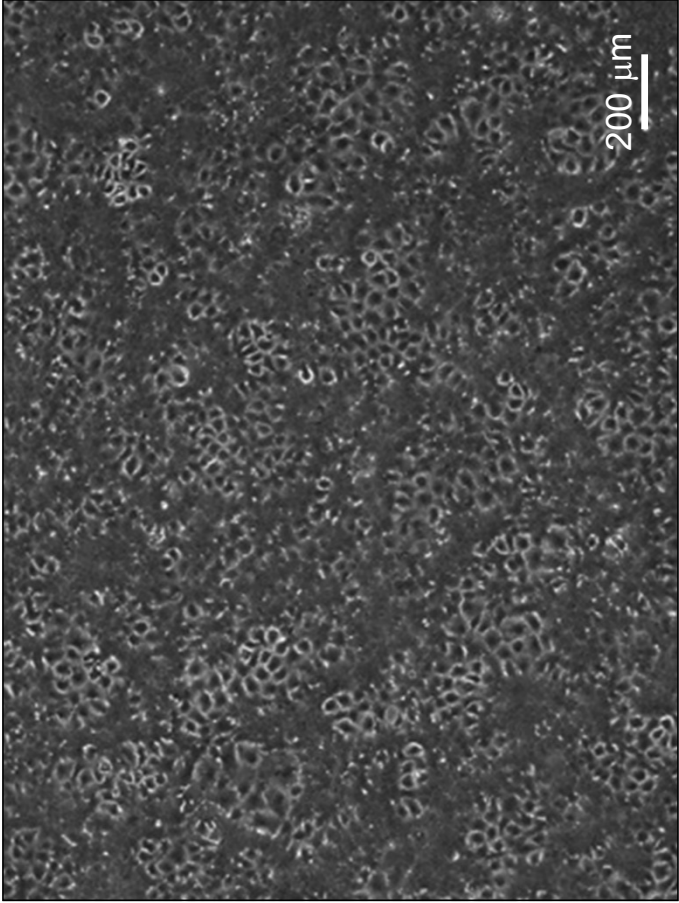


CULTURING IN CONDITIONS 1



CULTURING IN CONDITIONS 2

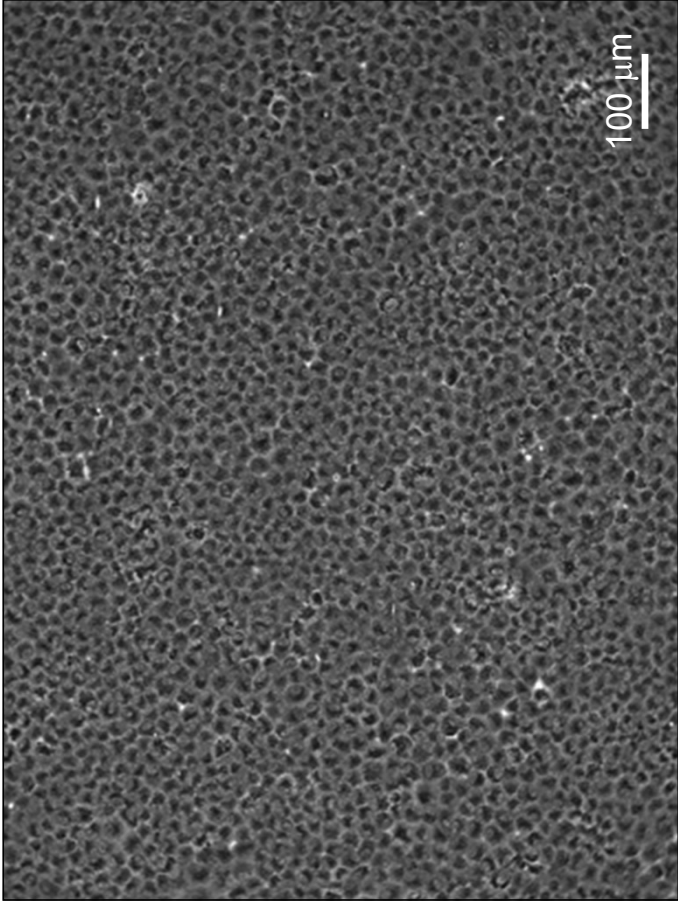
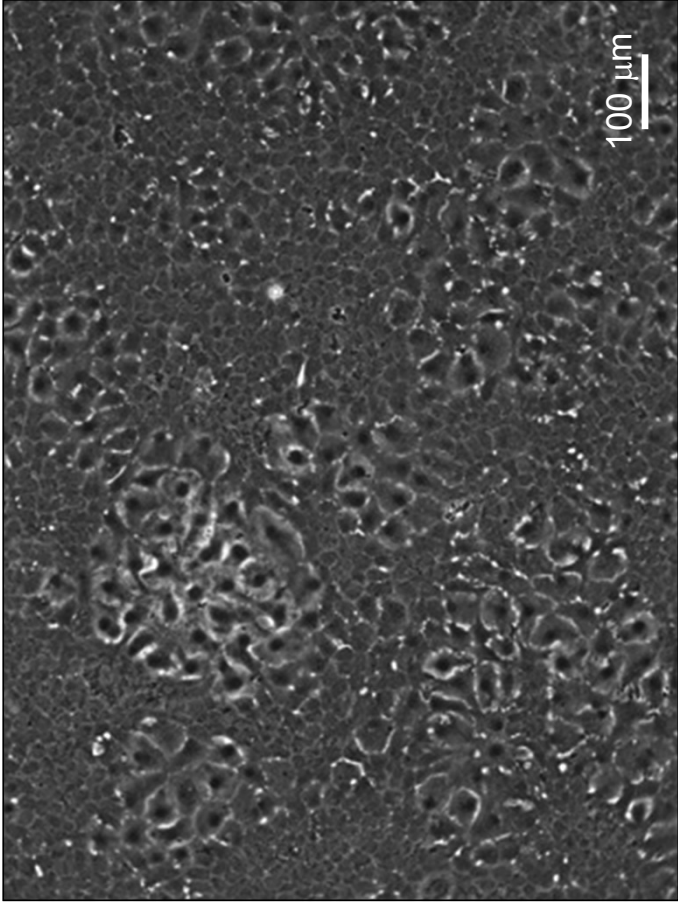
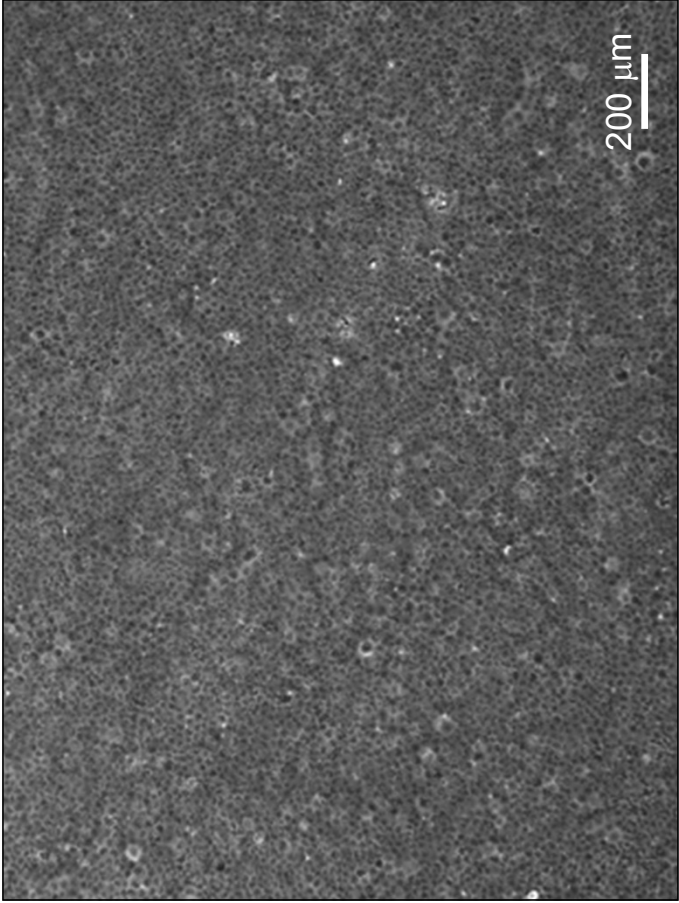


FIG. 1

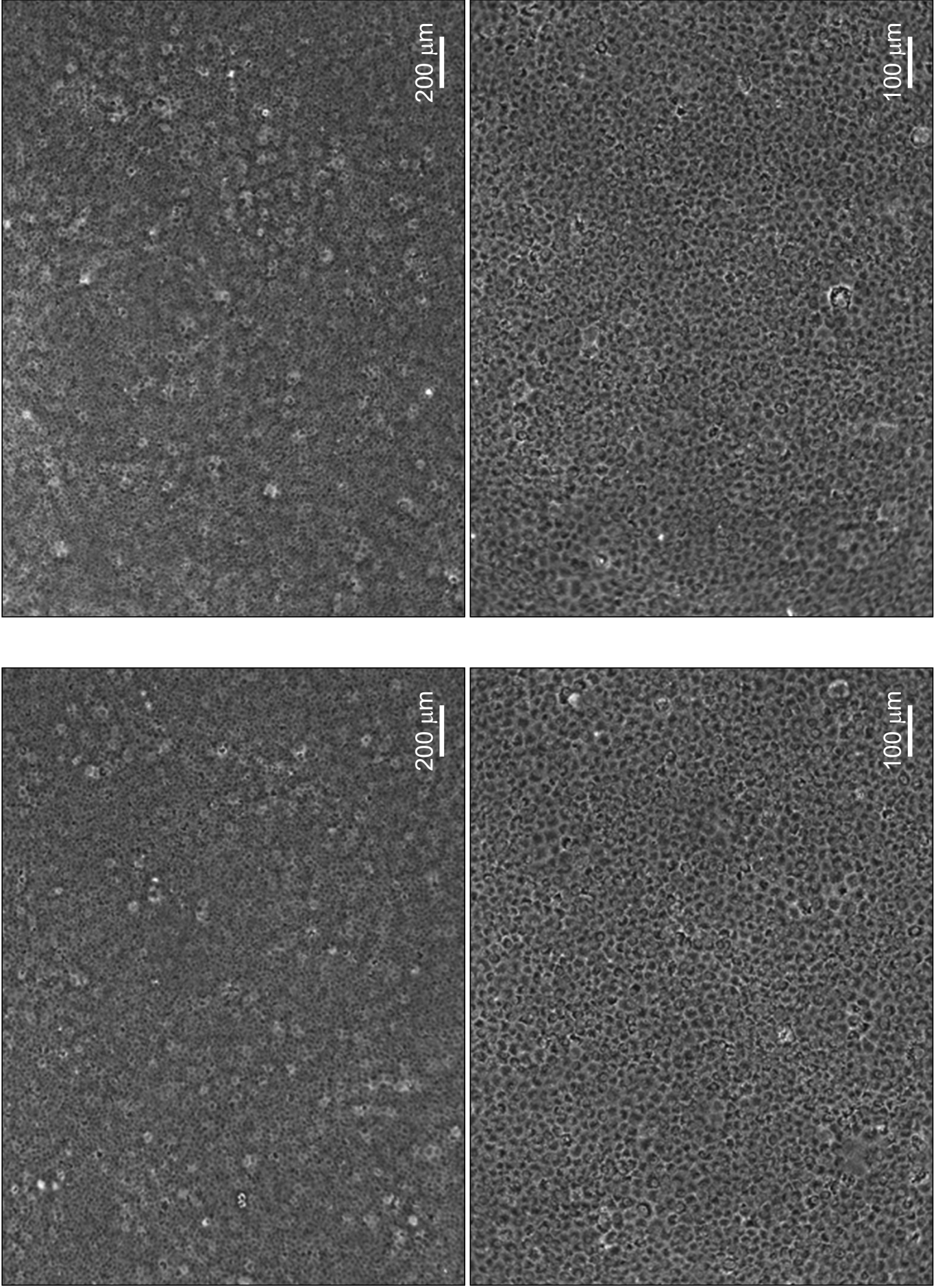


FIG. 2

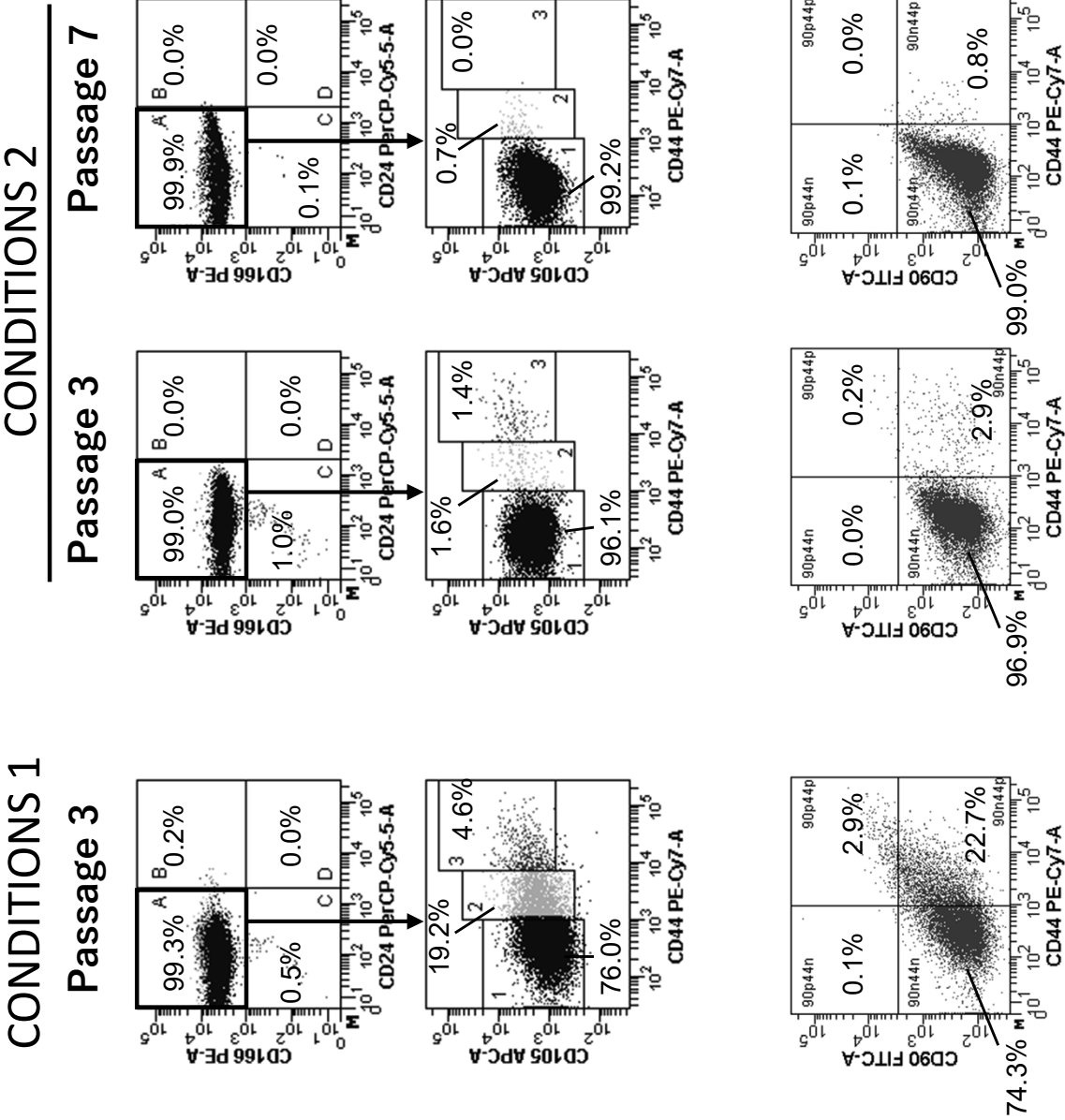


FIG. 3

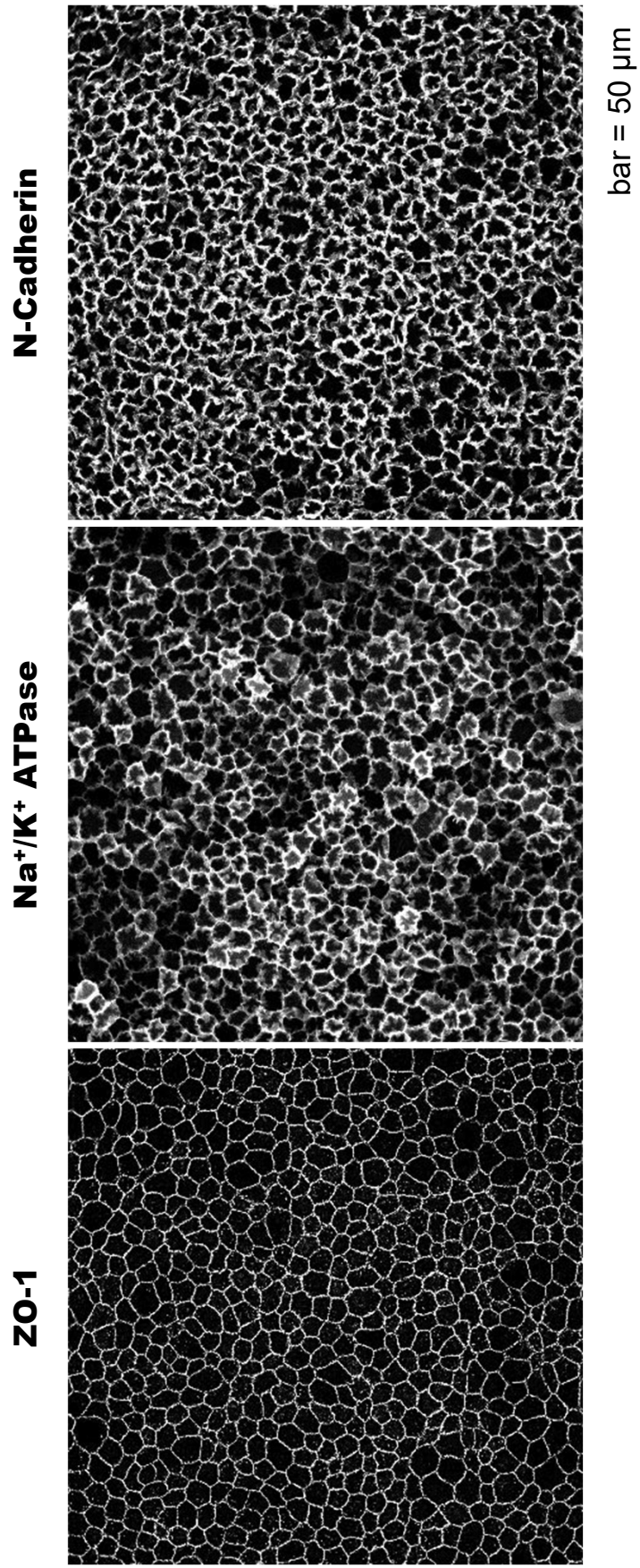


FIG. 4

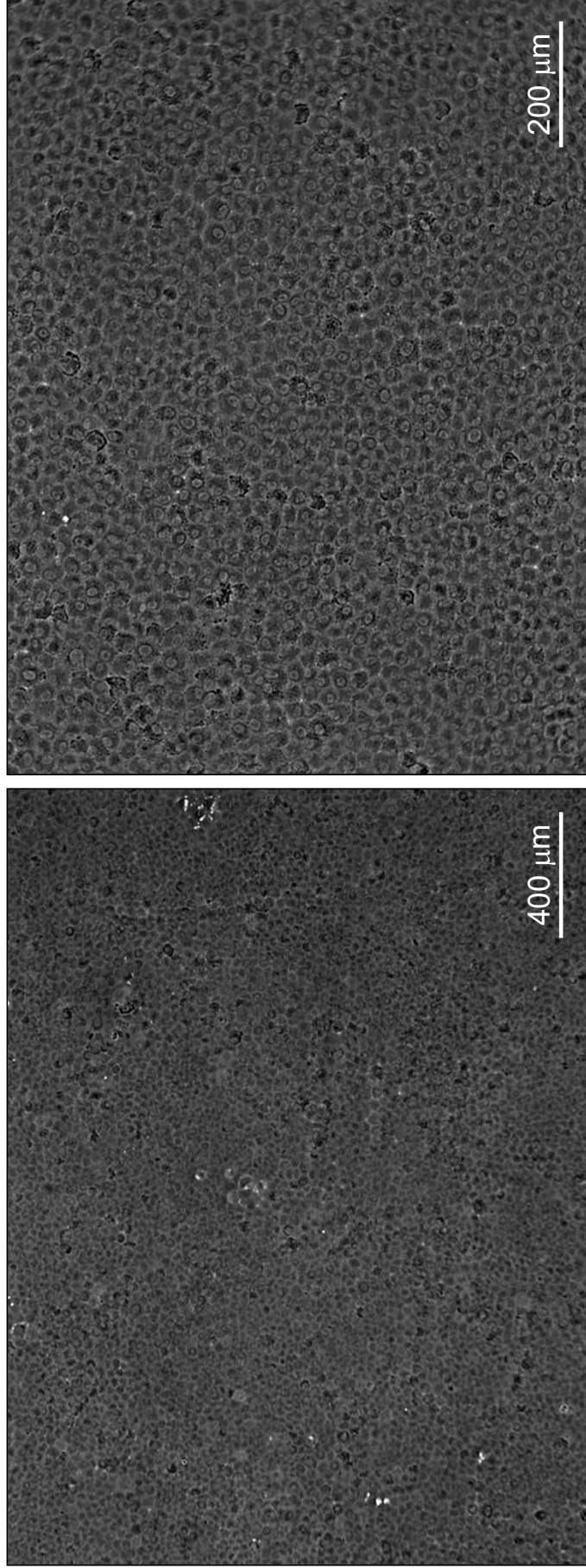


FIG. 5

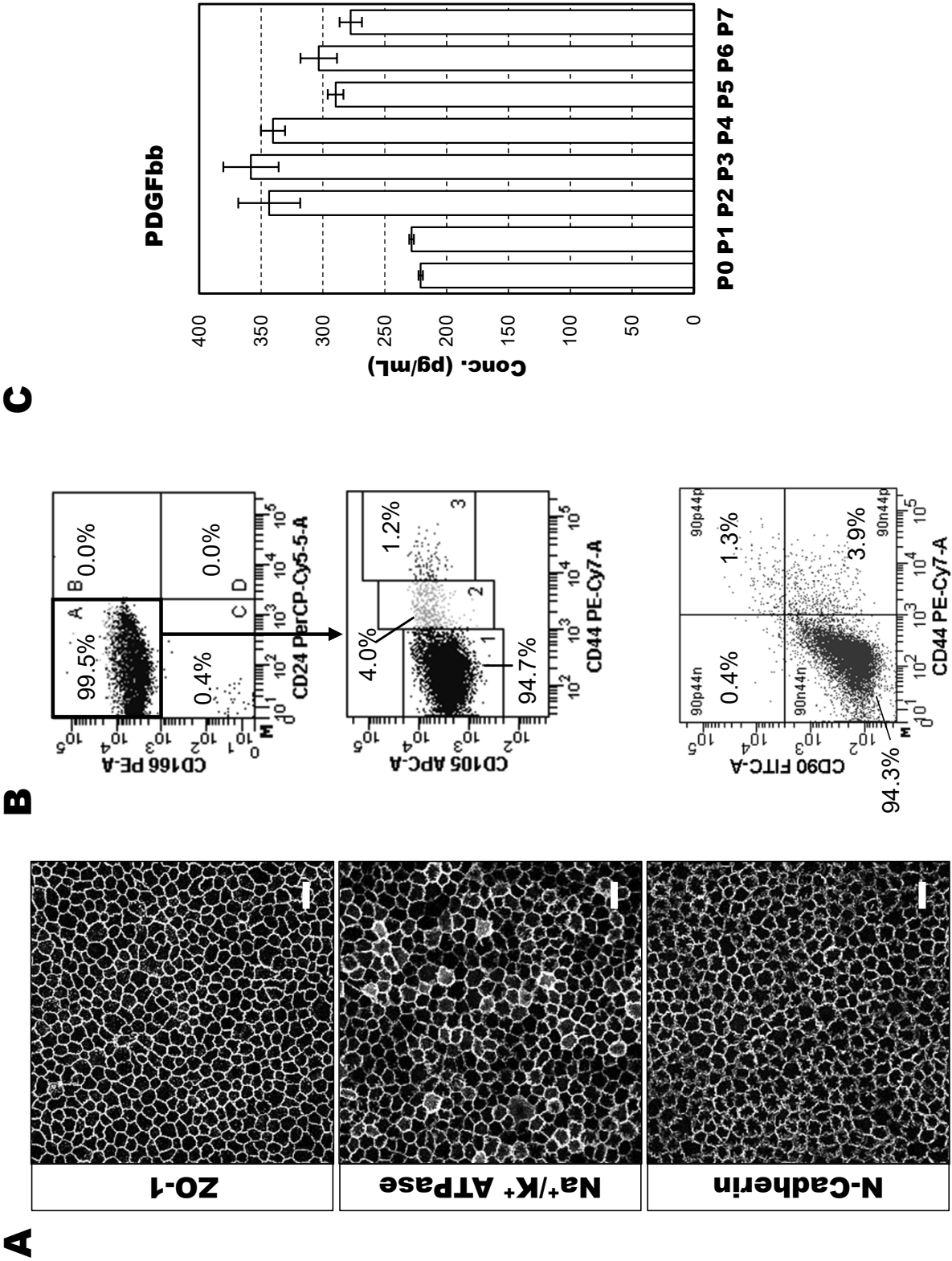


FIG. 6

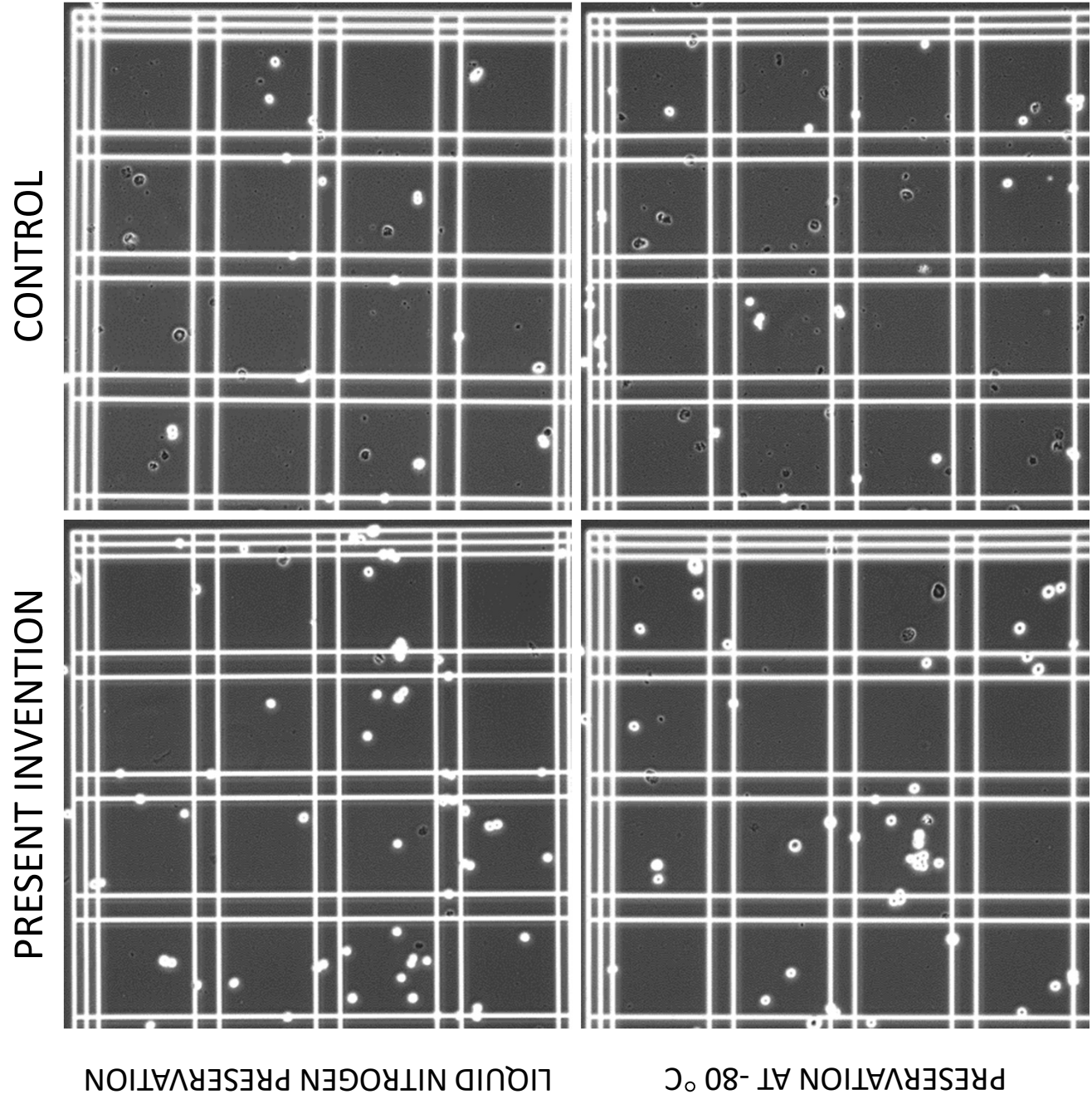


FIG. 7

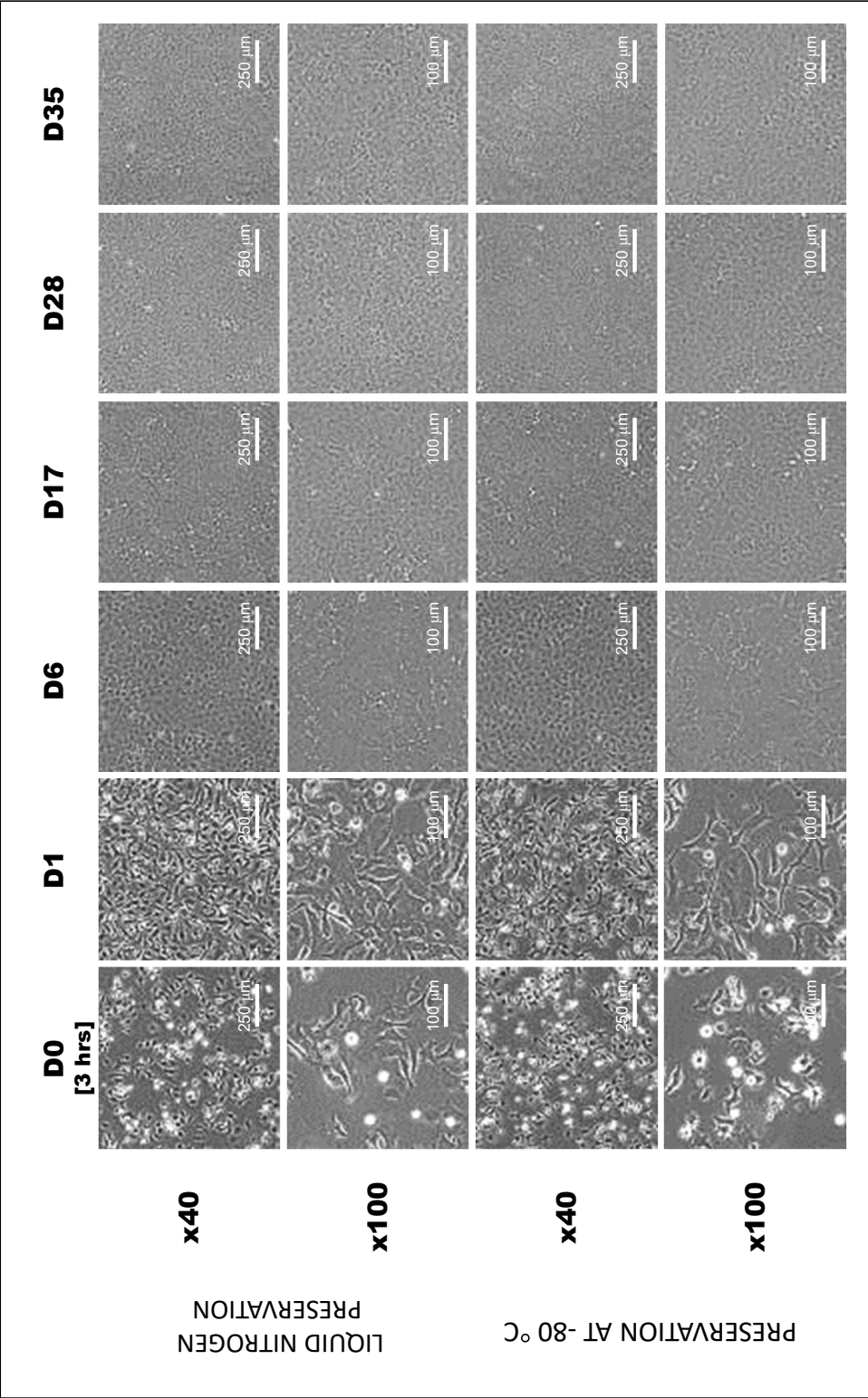


FIG. 8

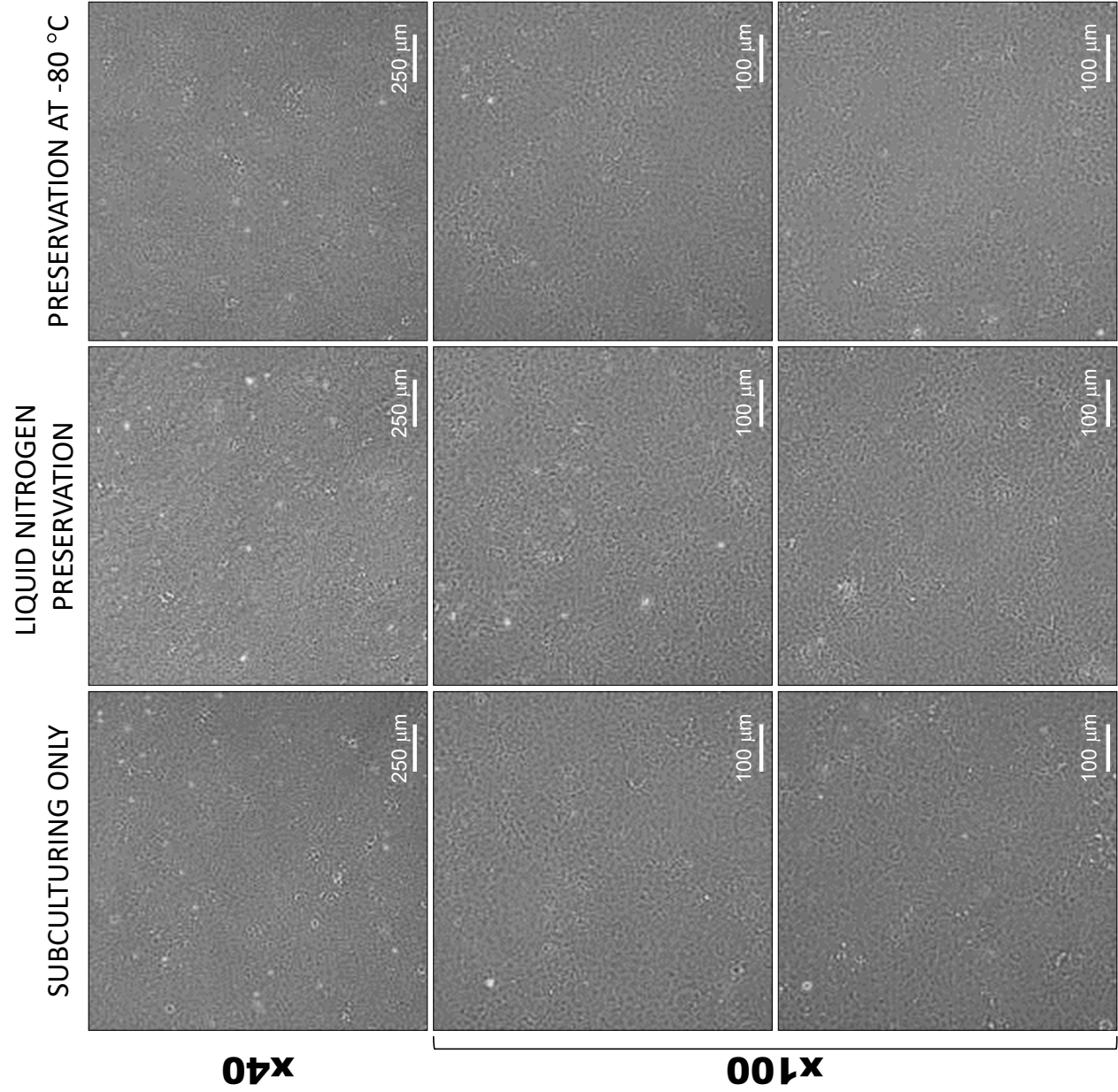


FIG. 9

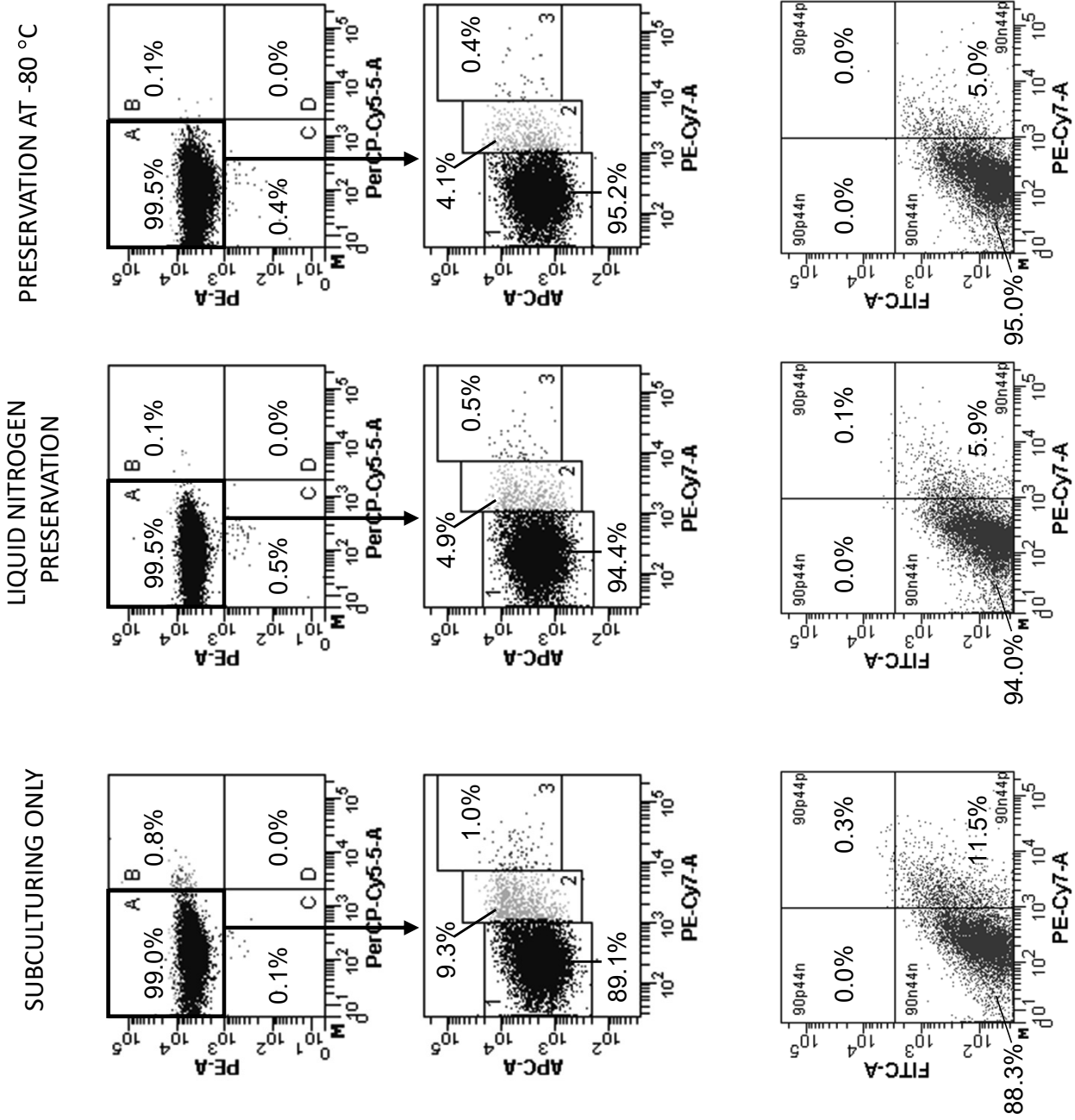


FIG.10

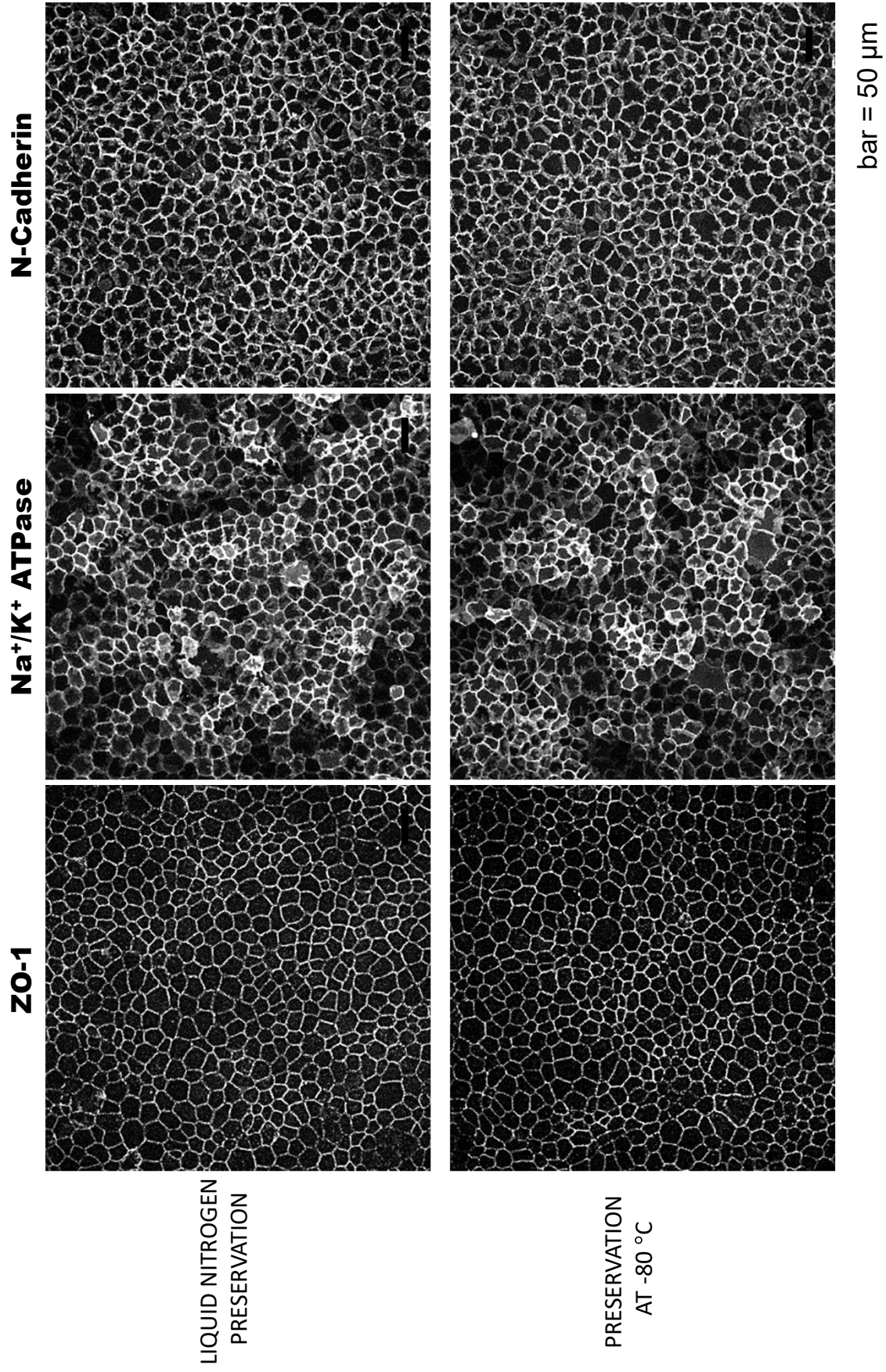


FIG. 11

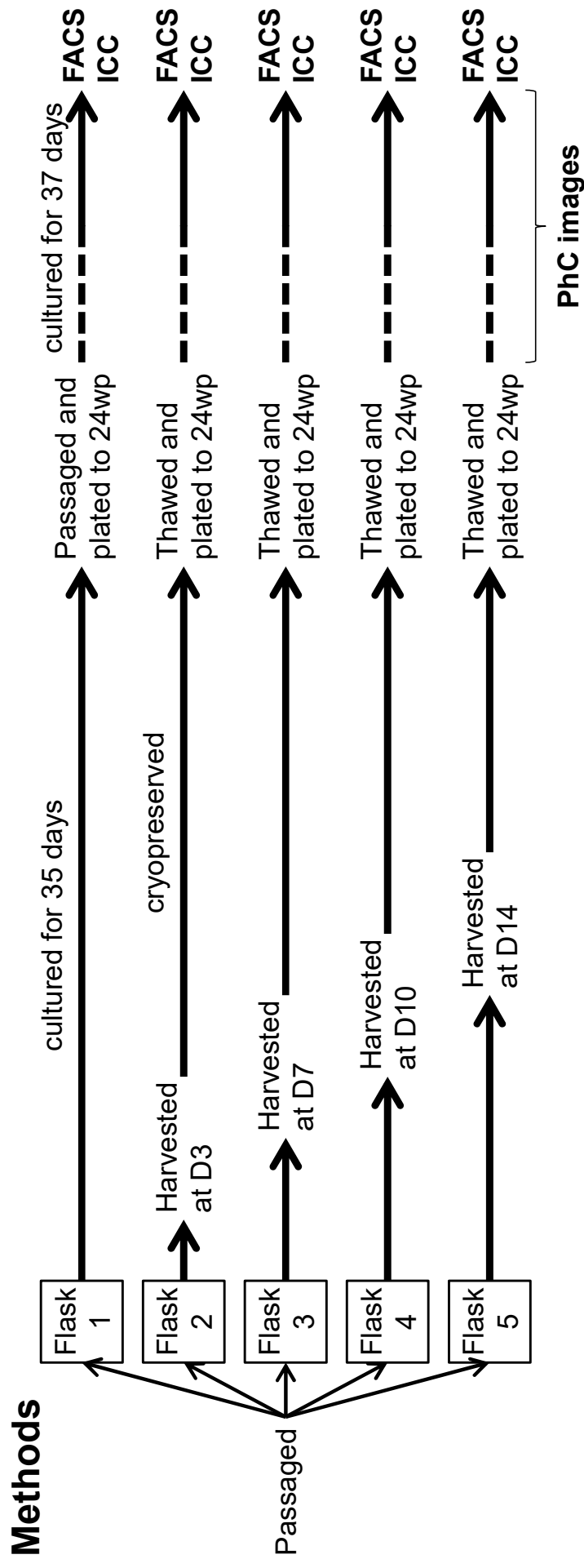


FIG. 12

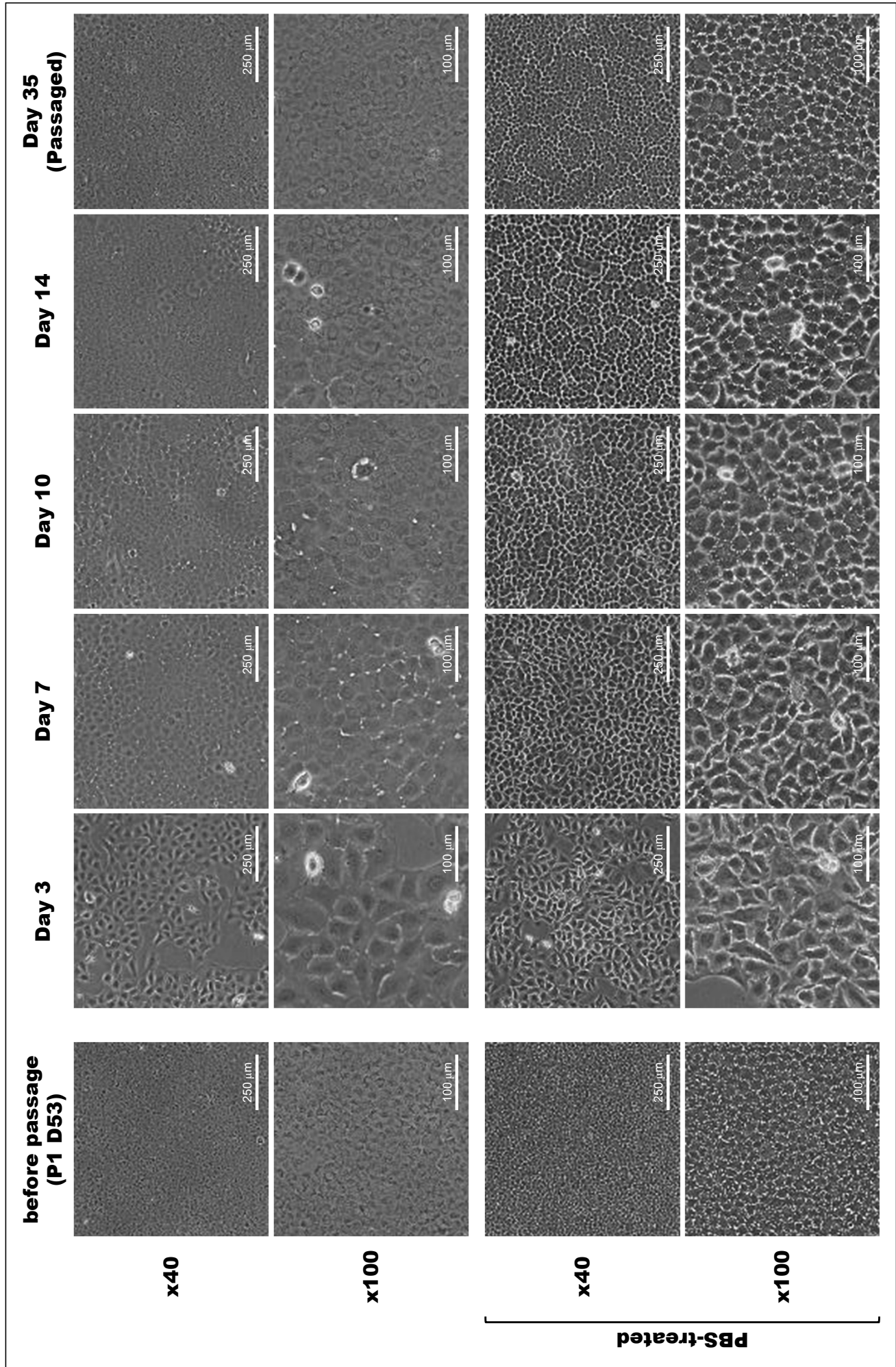


FIG. 13

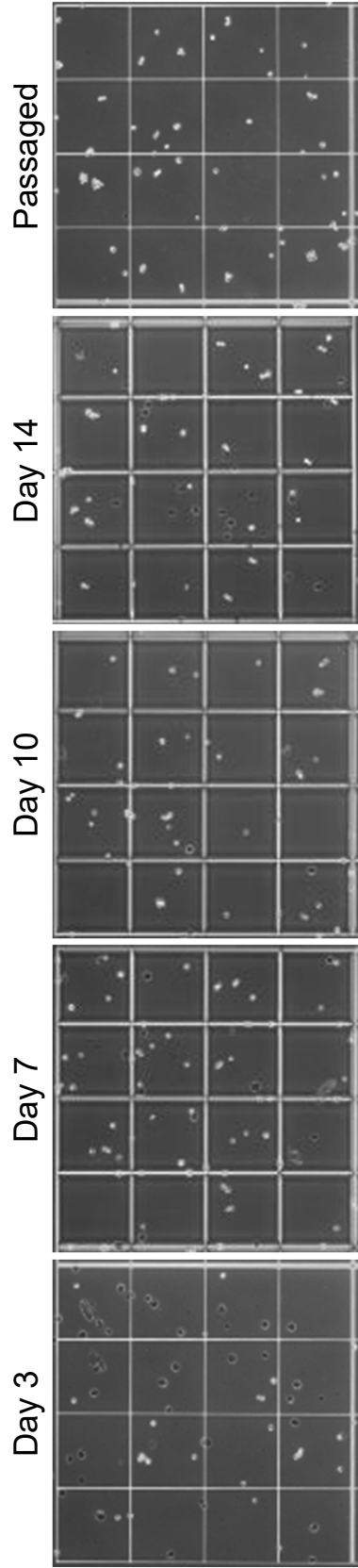
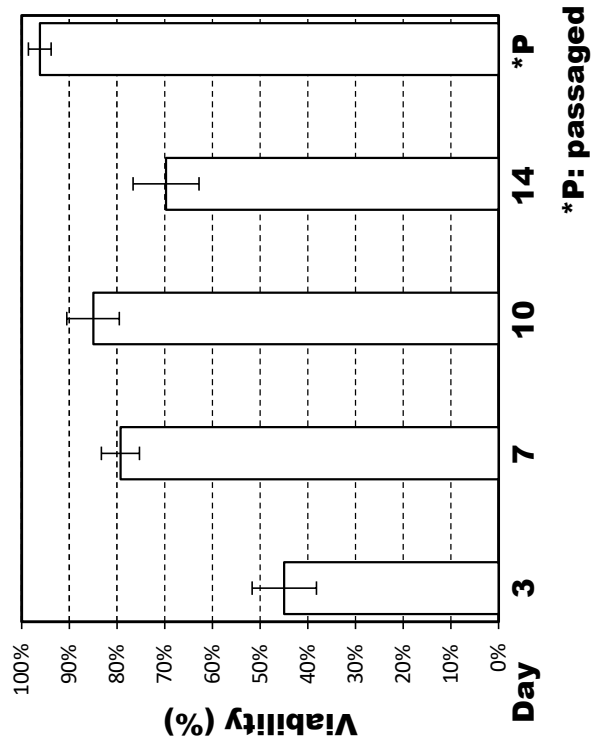


FIG. 14

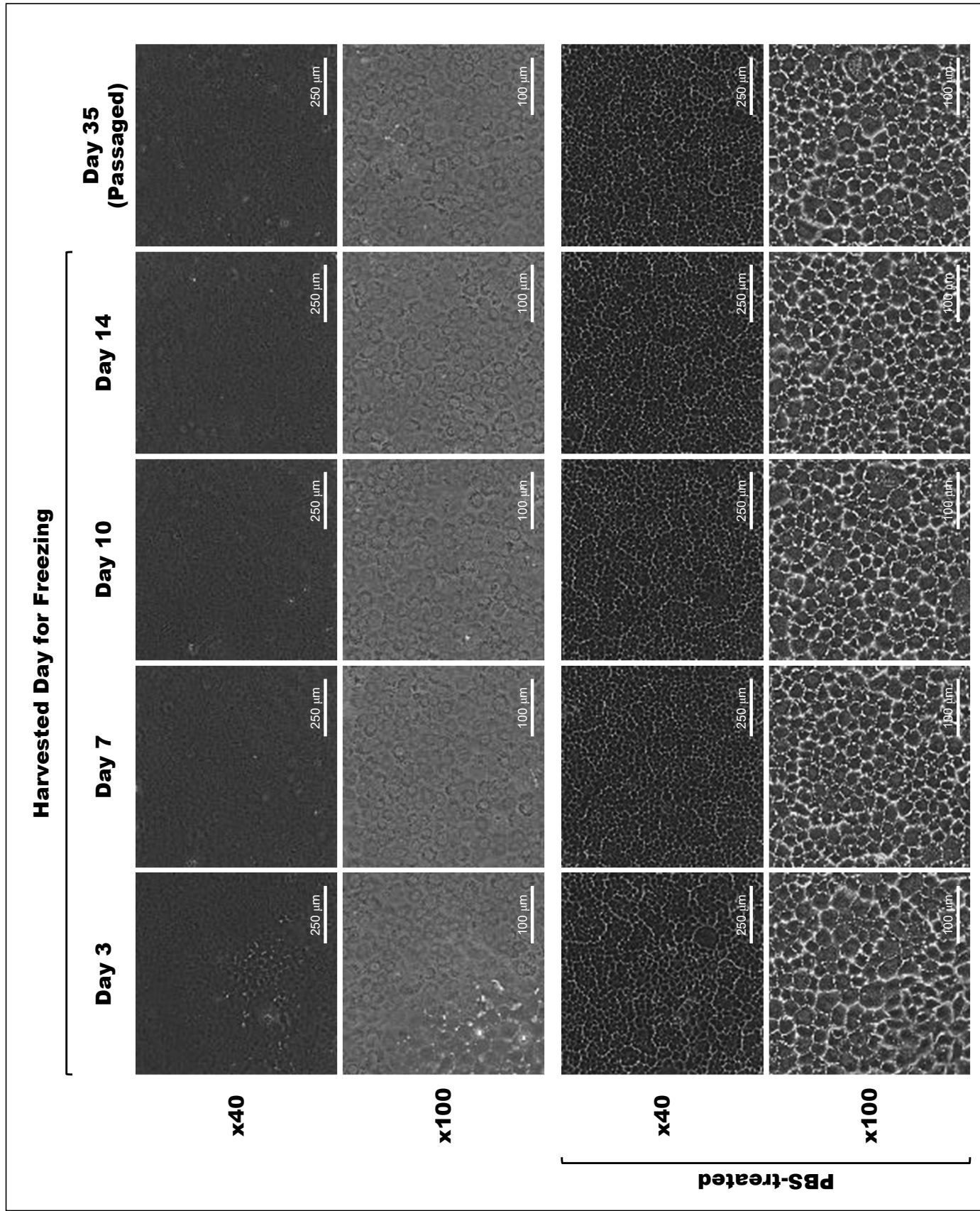


FIG. 15

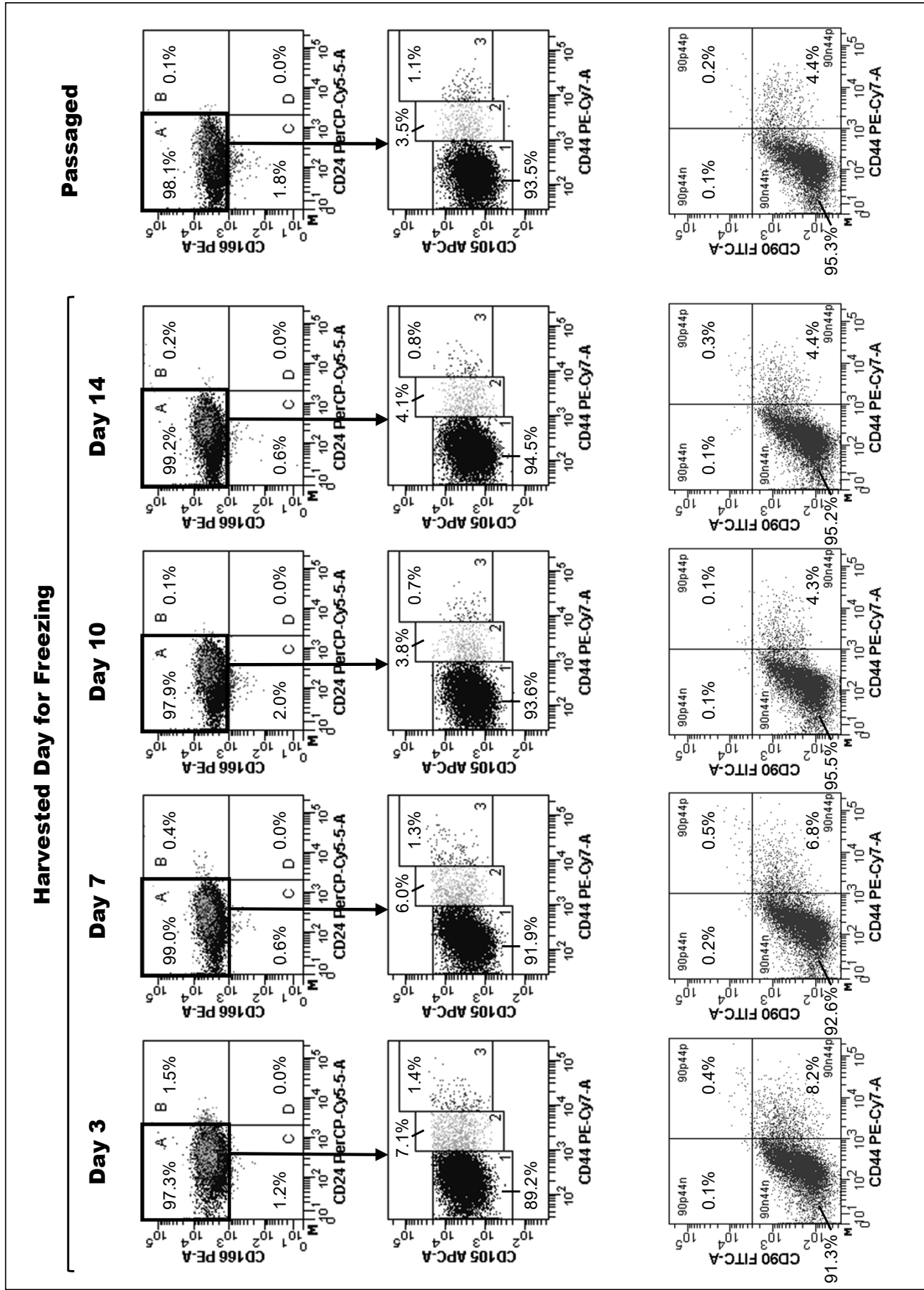


FIG. 16

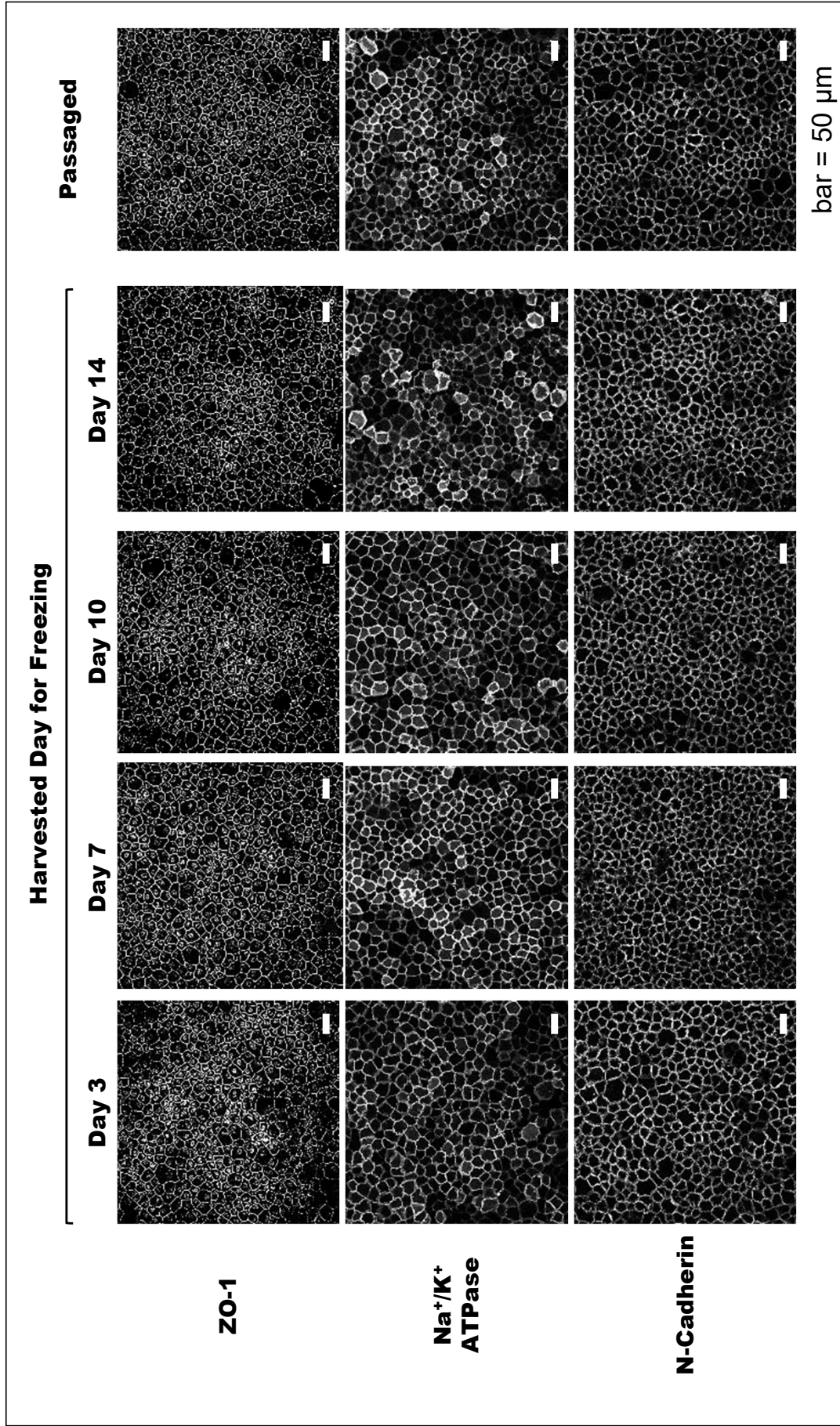


FIG. 17

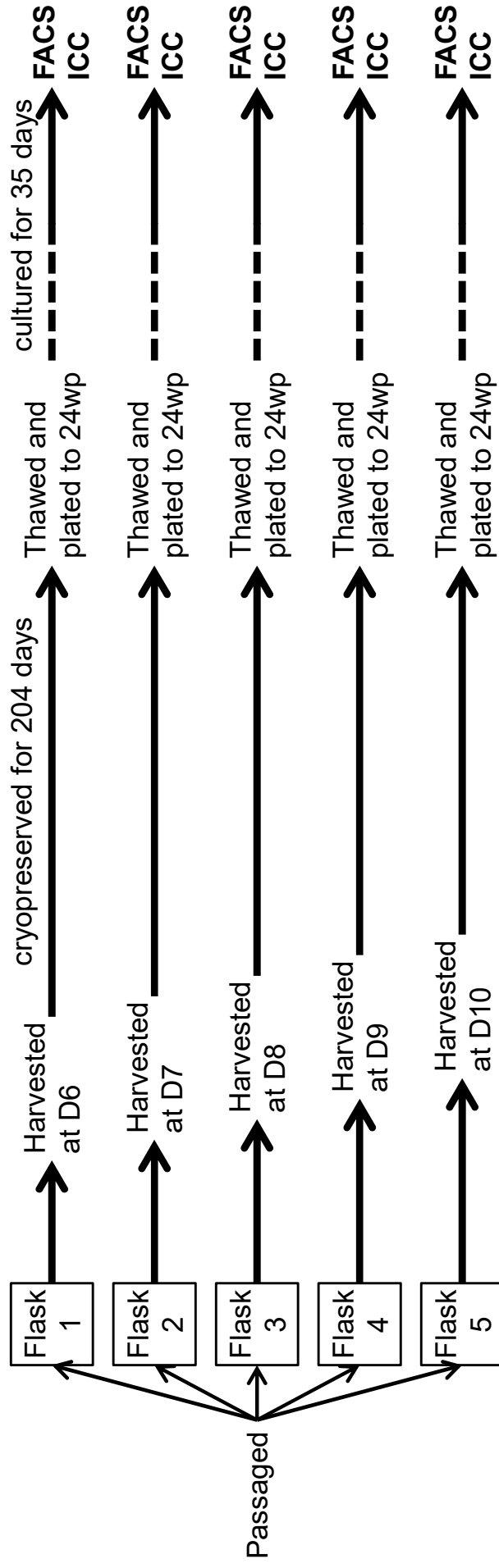


FIG. 18

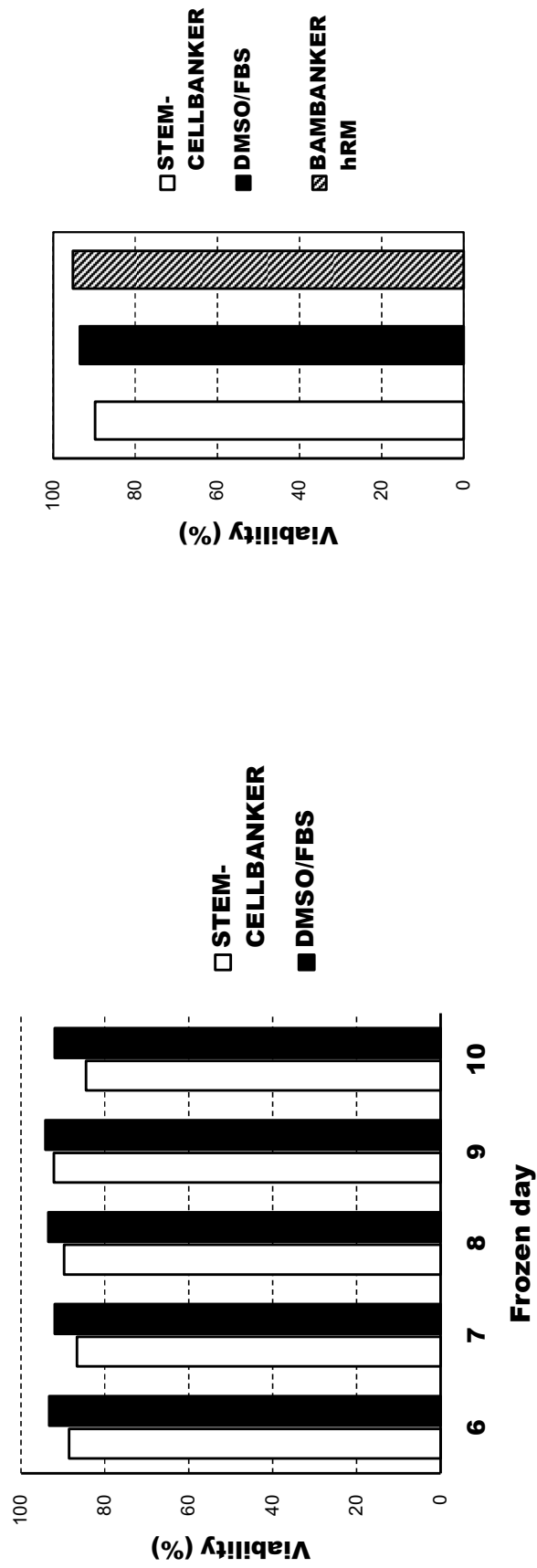


FIG. 19

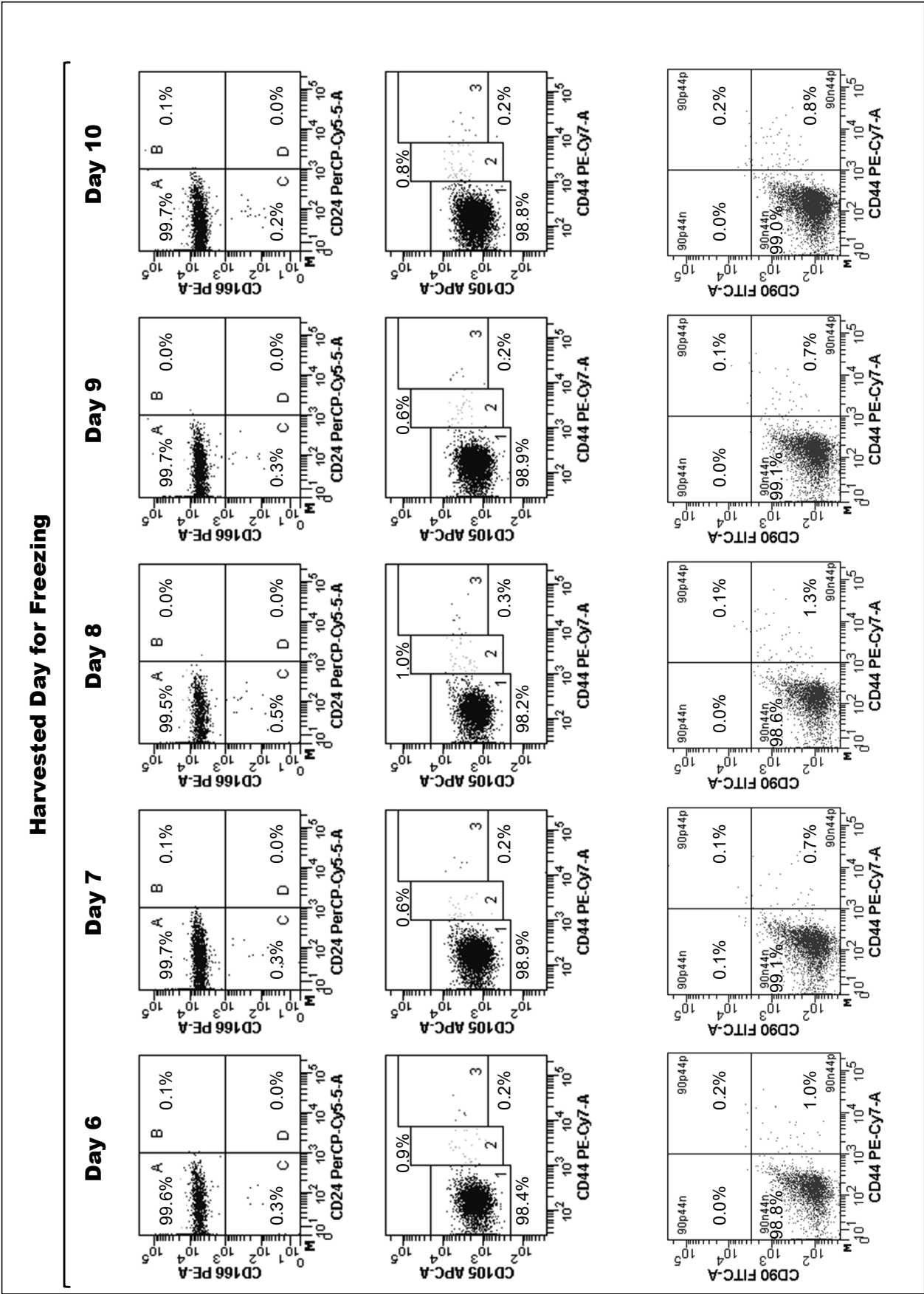


FIG. 20

Harvested Day for Freezing

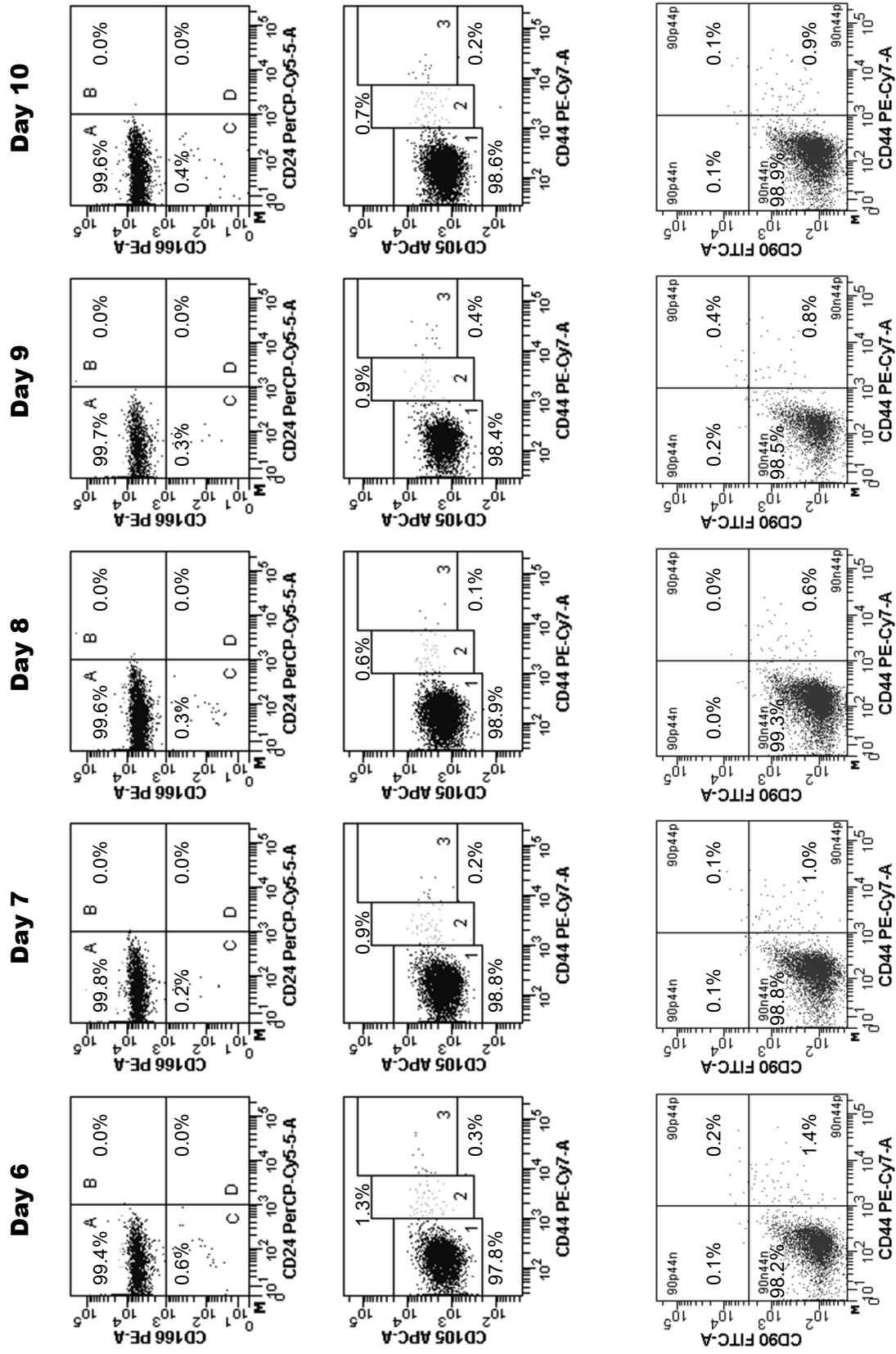


FIG. 21

Harvested at Day 8 for Freezing

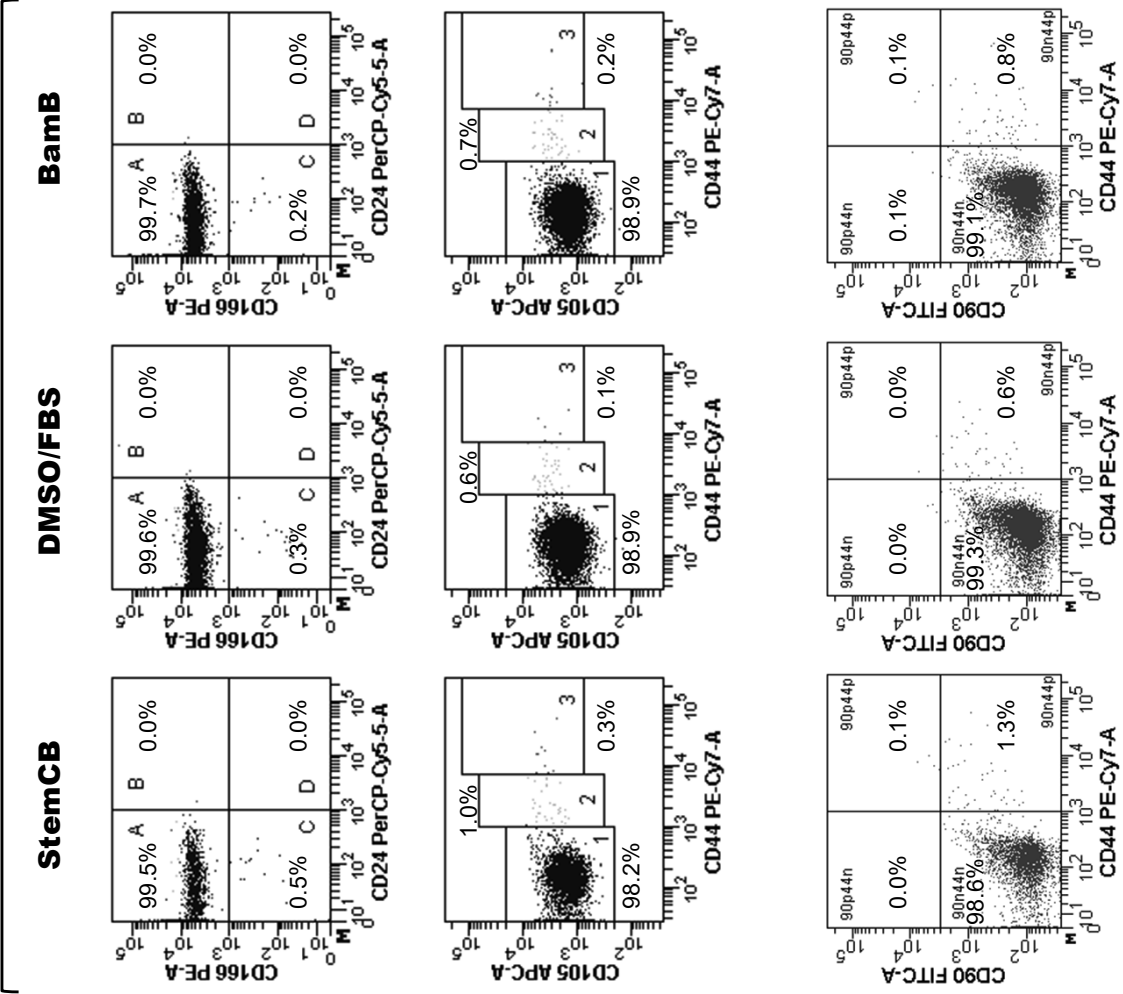


FIG. 22

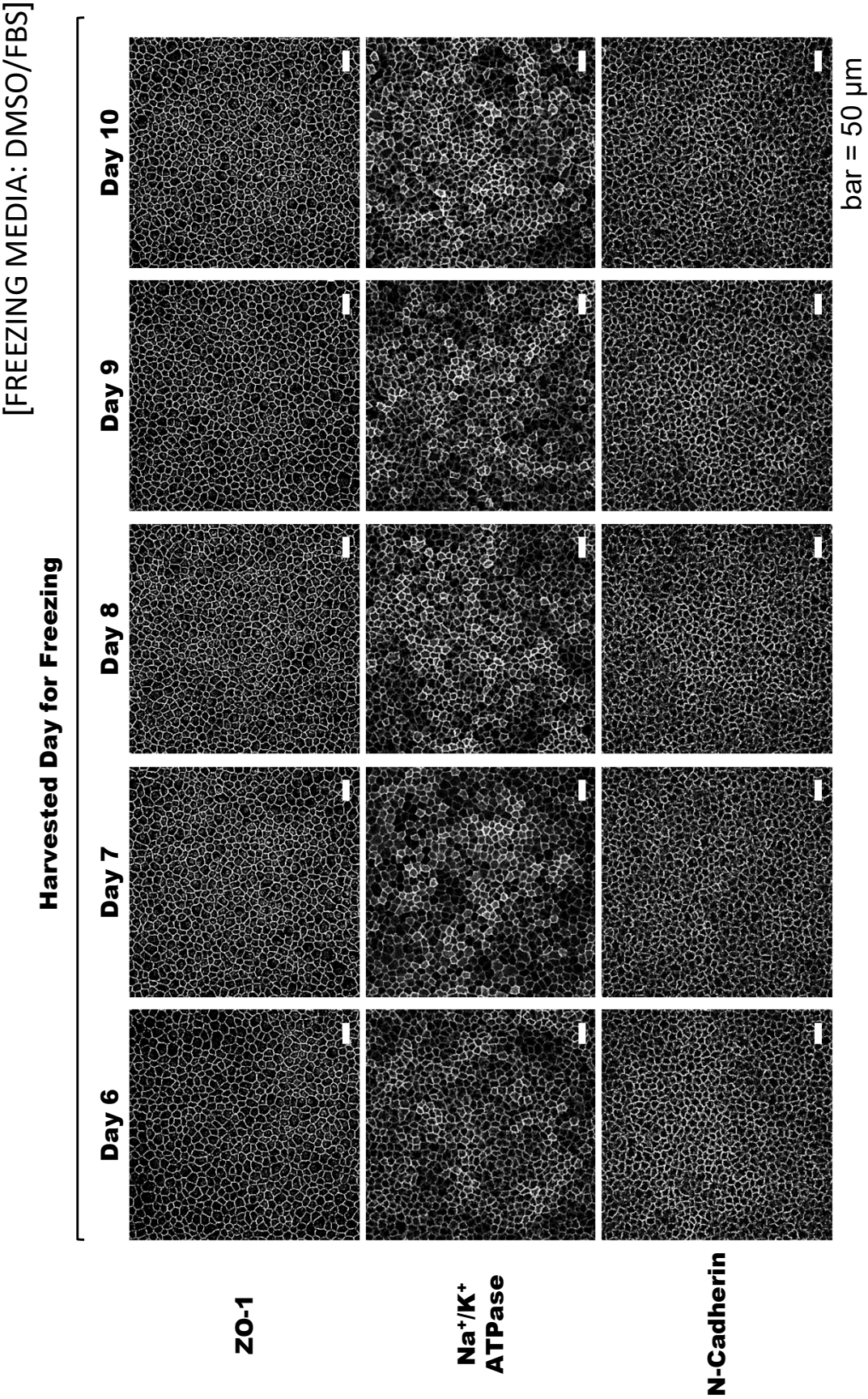


FIG. 23

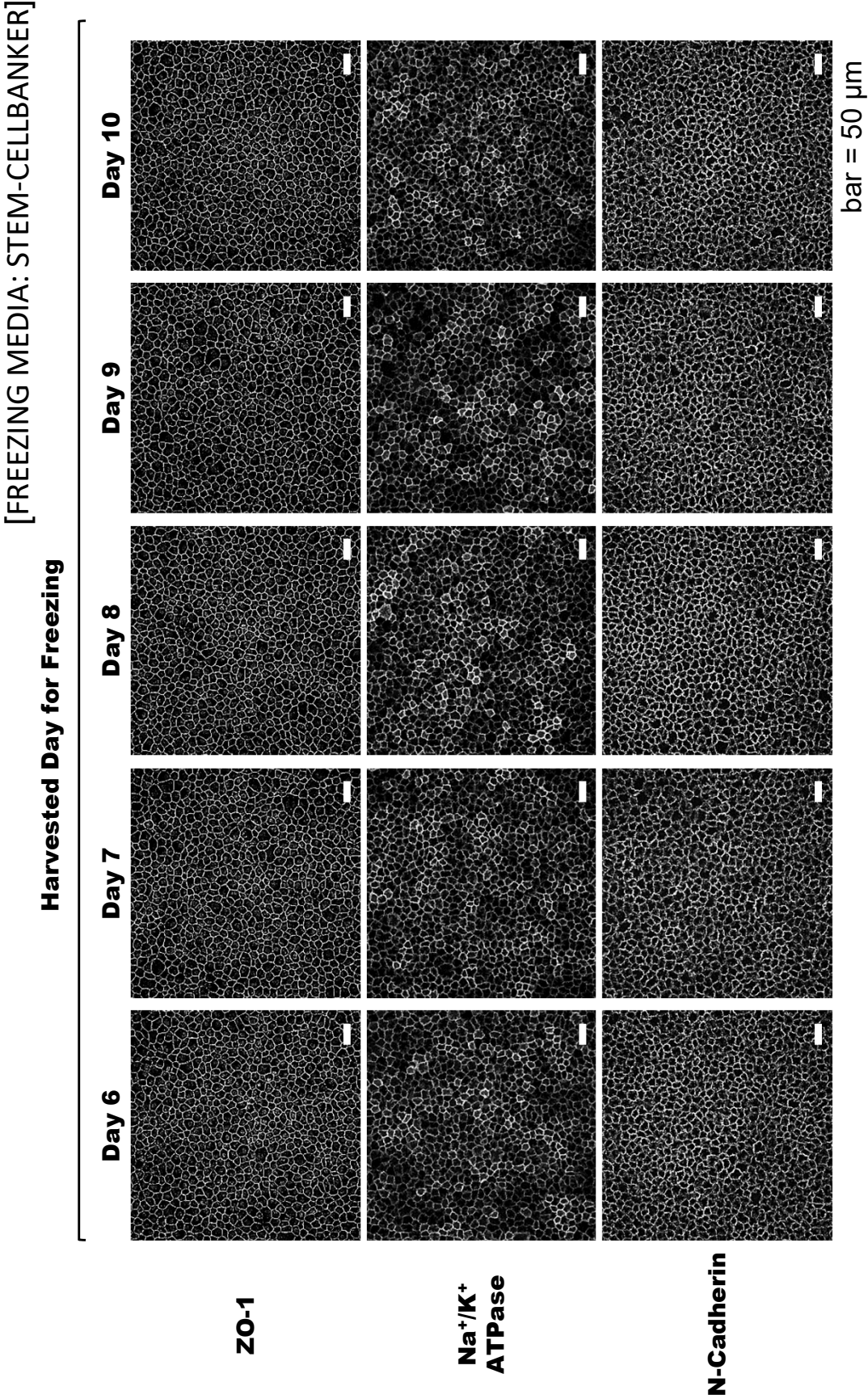


FIG. 24

[COMPARISON OF FREEZING MEDIA]

Harvested on Day 8 for Freezing

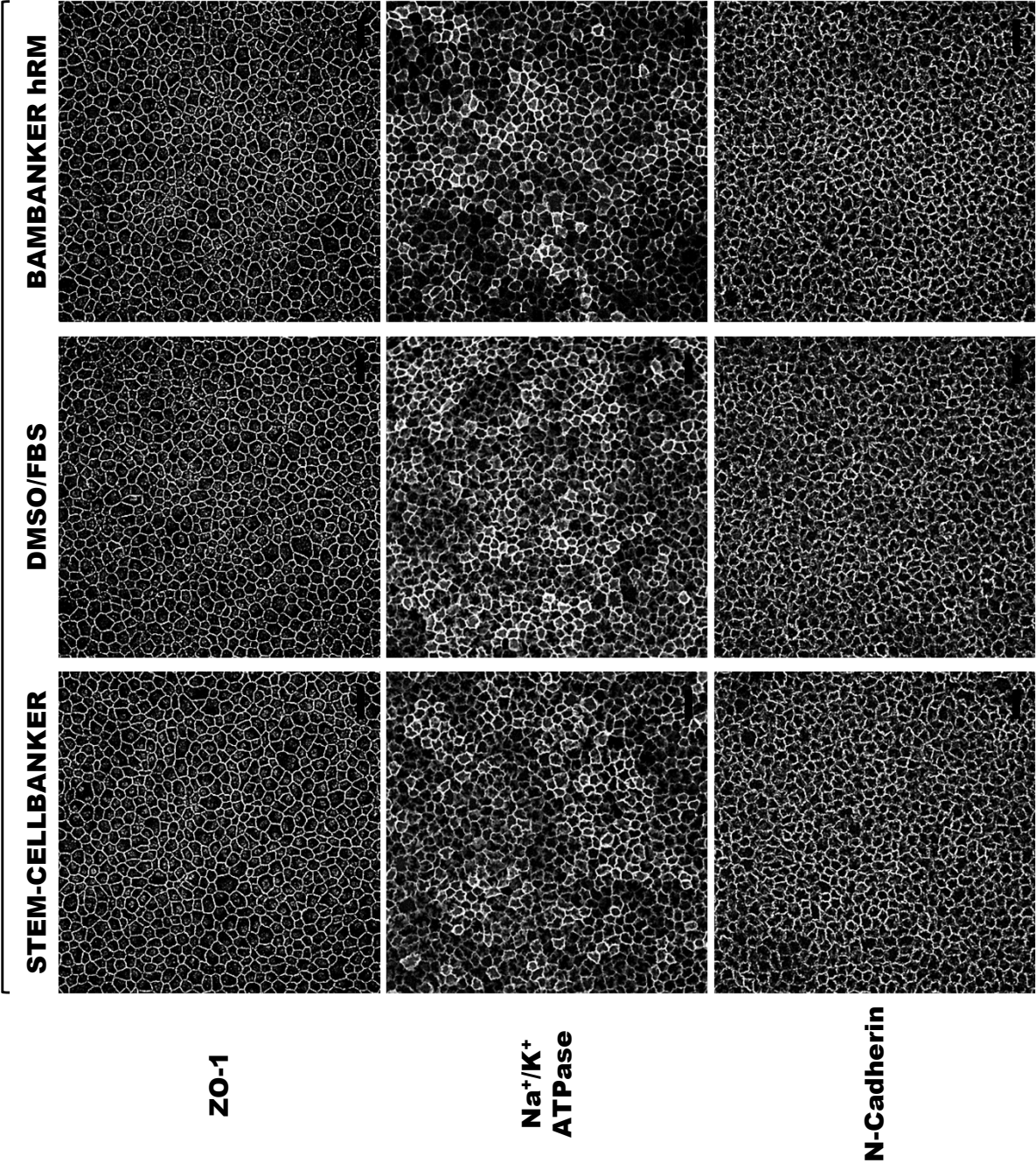


FIG. 25

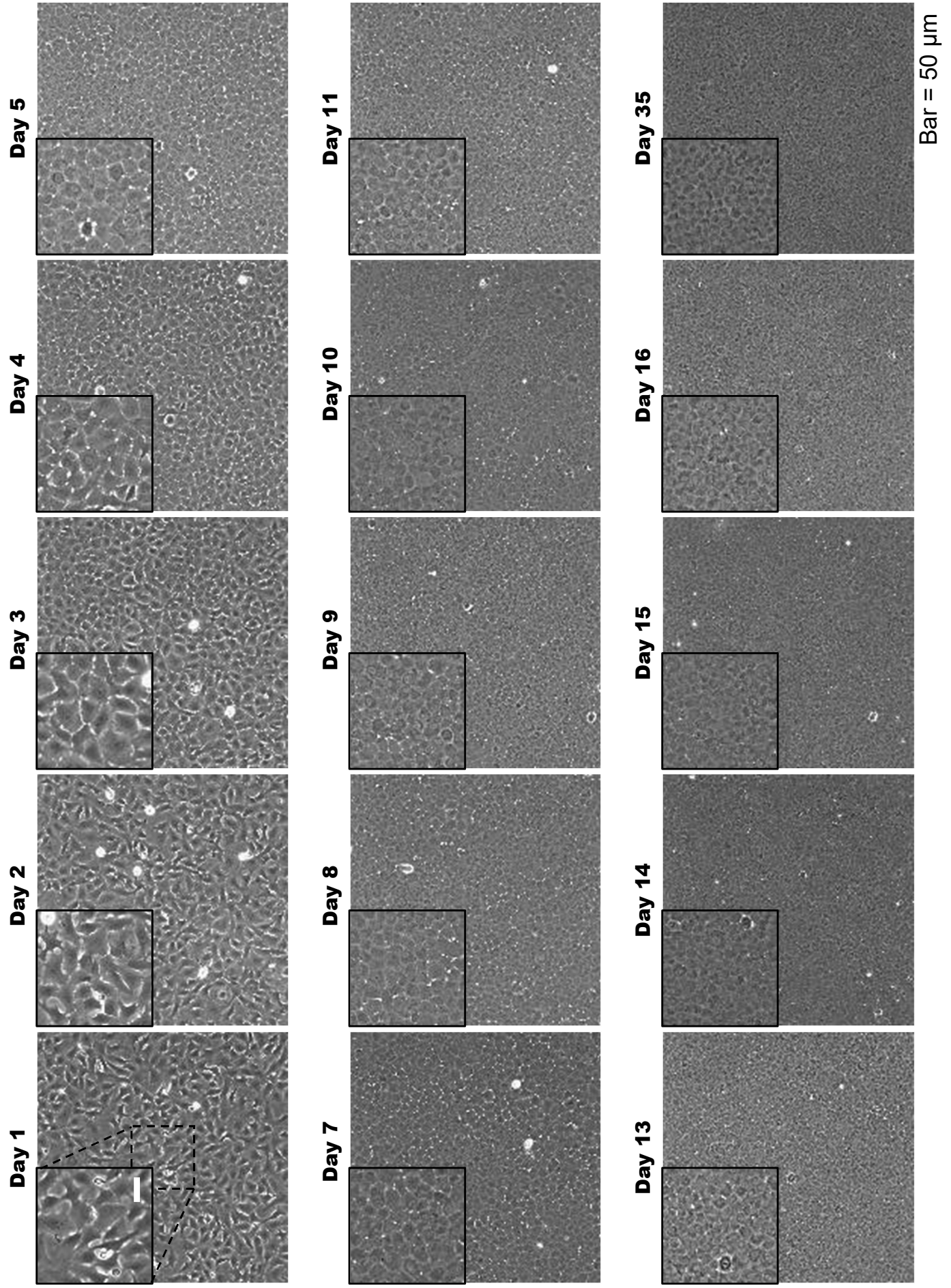


FIG. 26

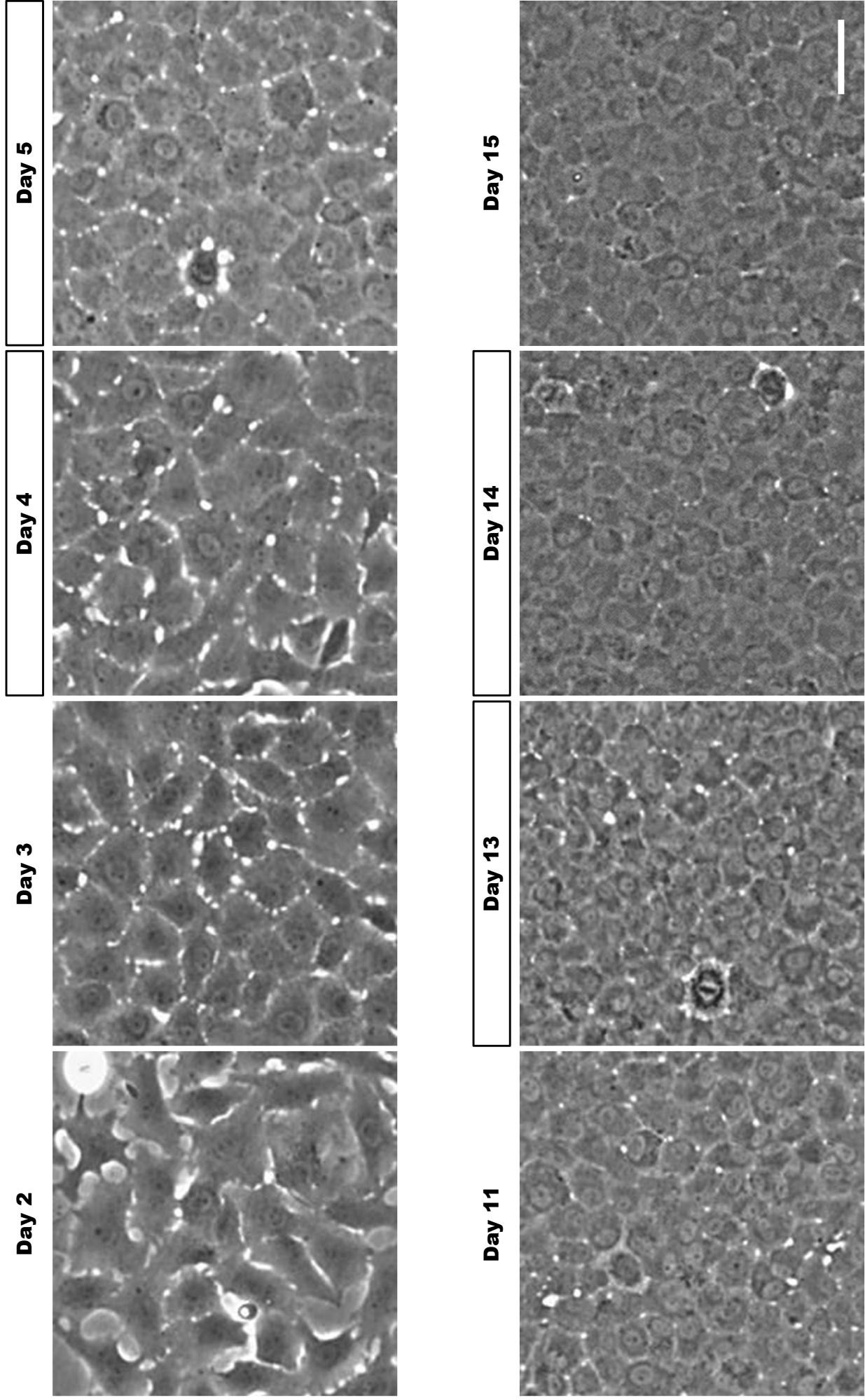


FIG. 27

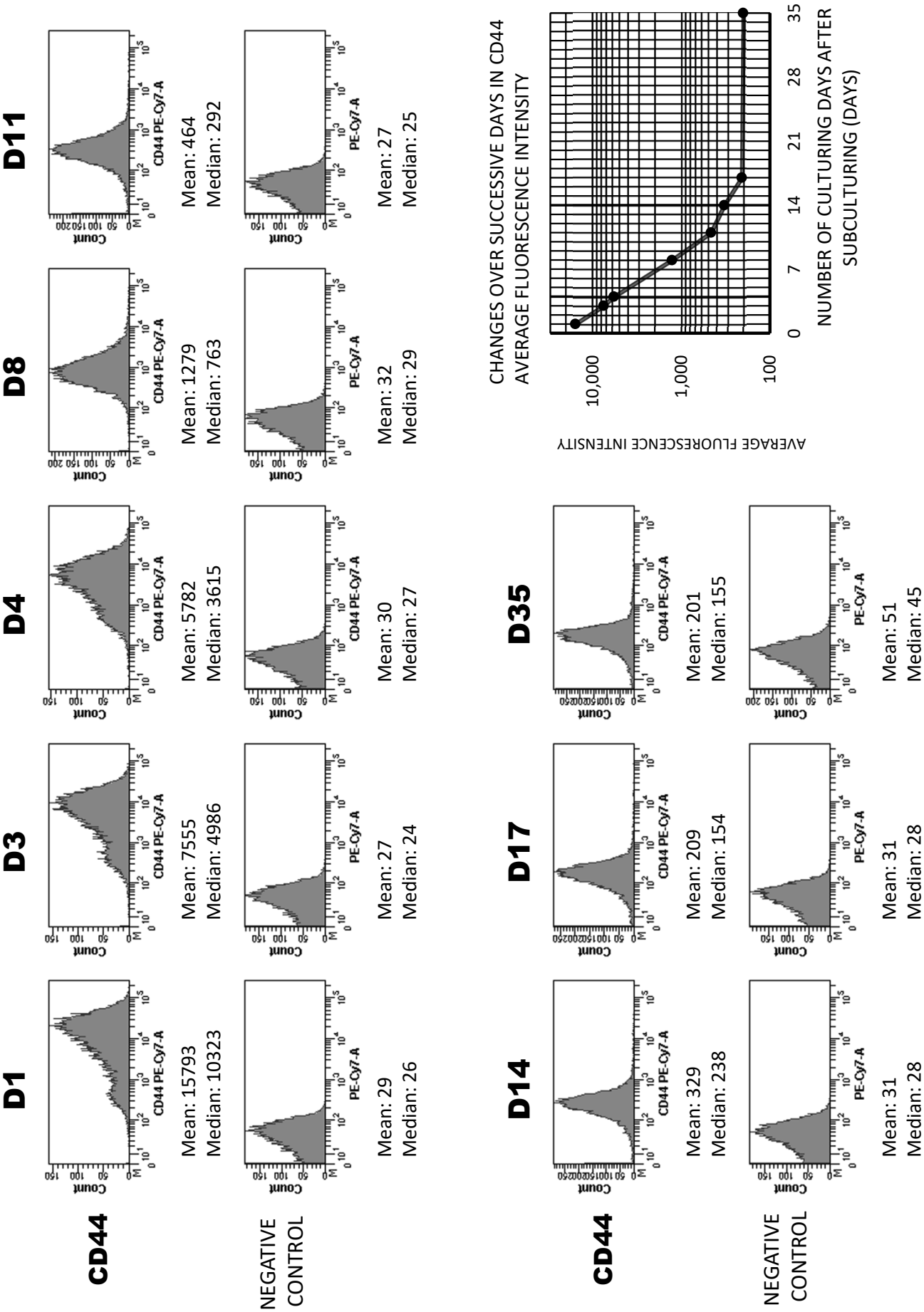


FIG. 28

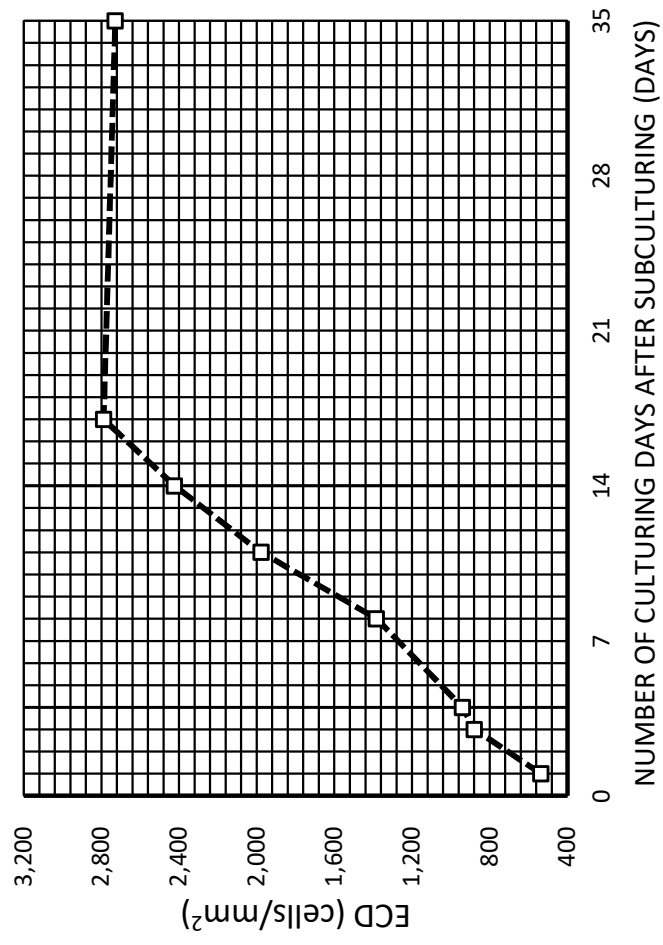


FIG. 29

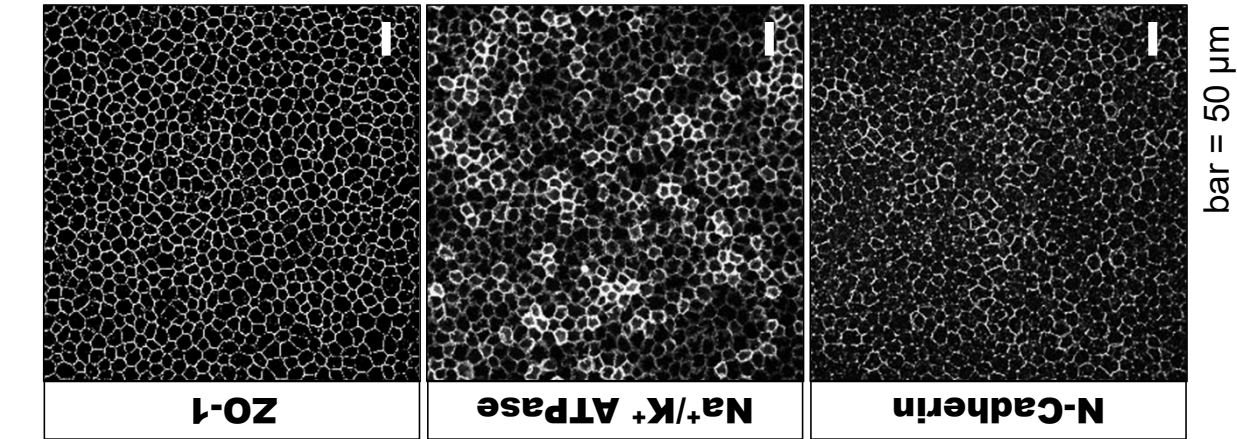
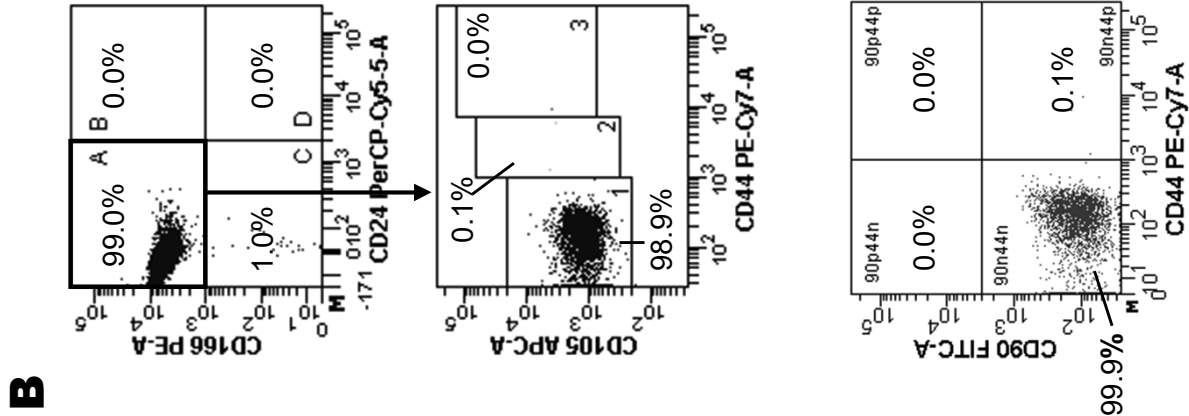
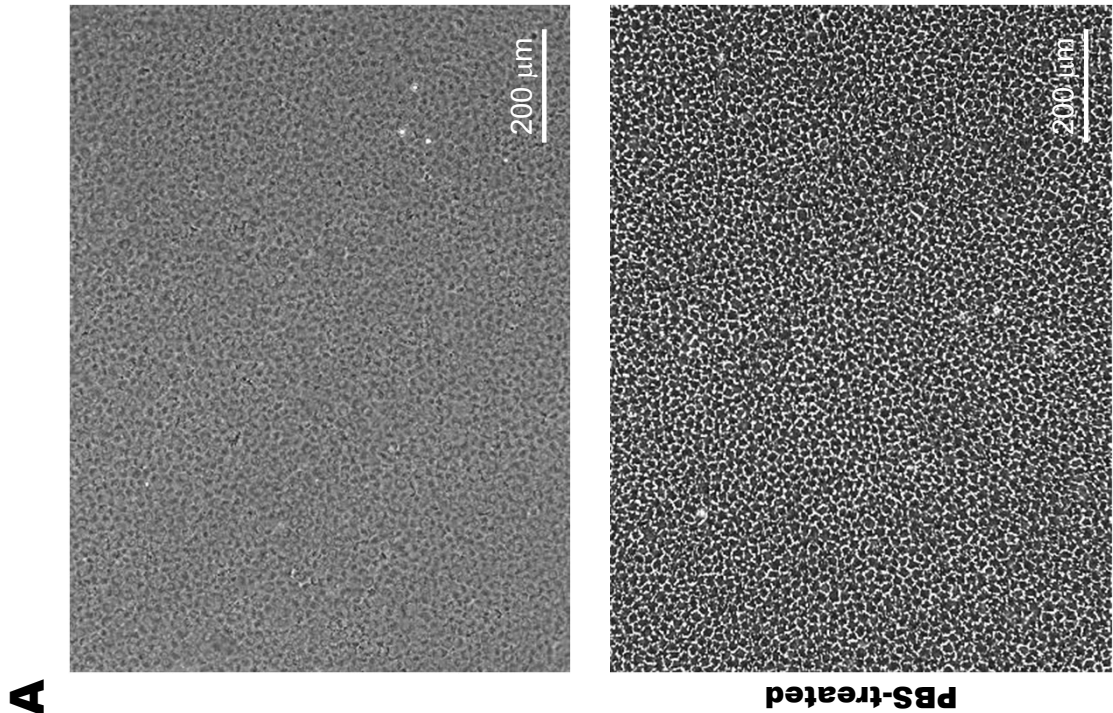


FIG. 30

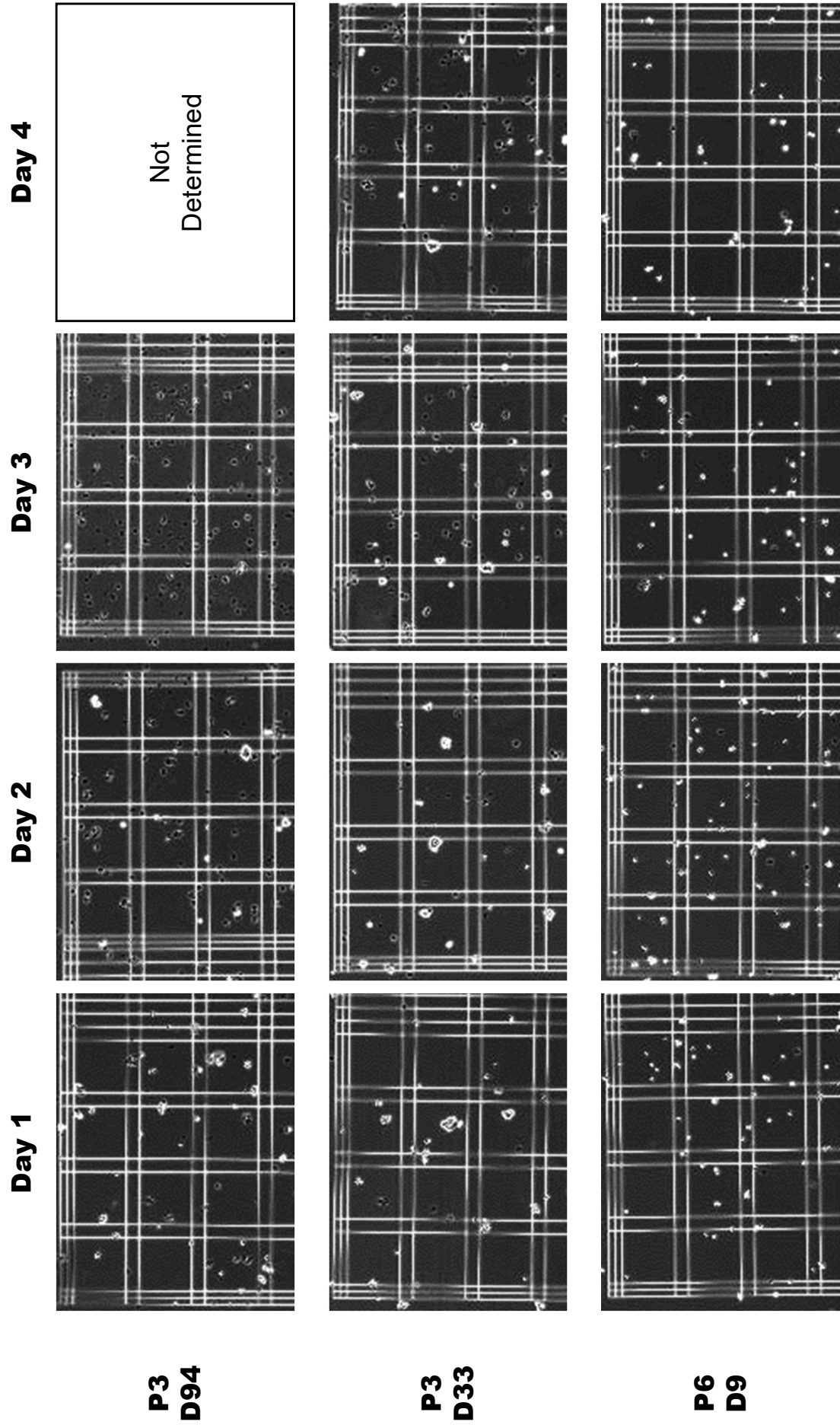


FIG. 31

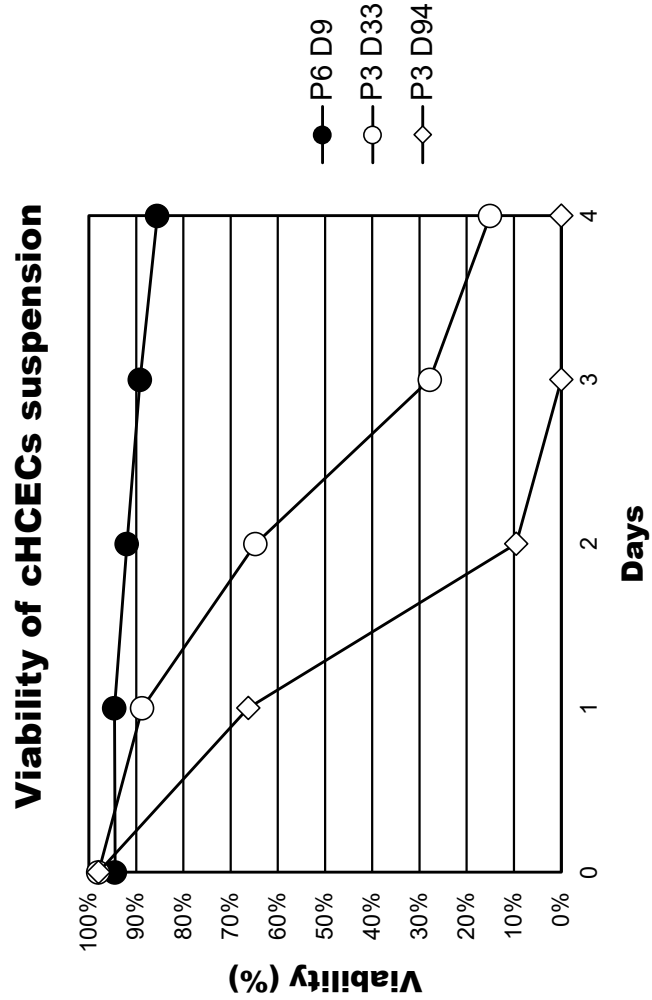


FIG. 32

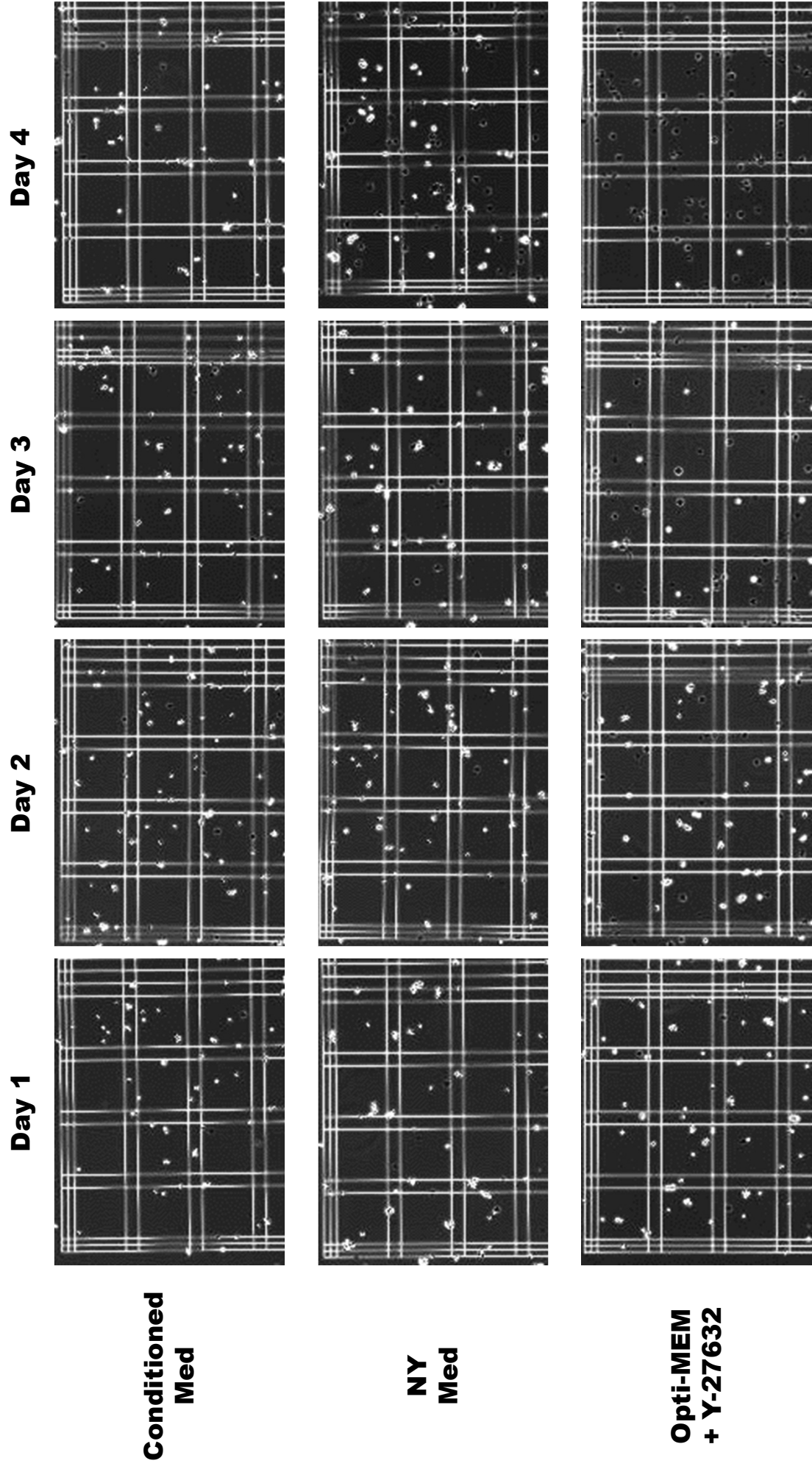


FIG. 33

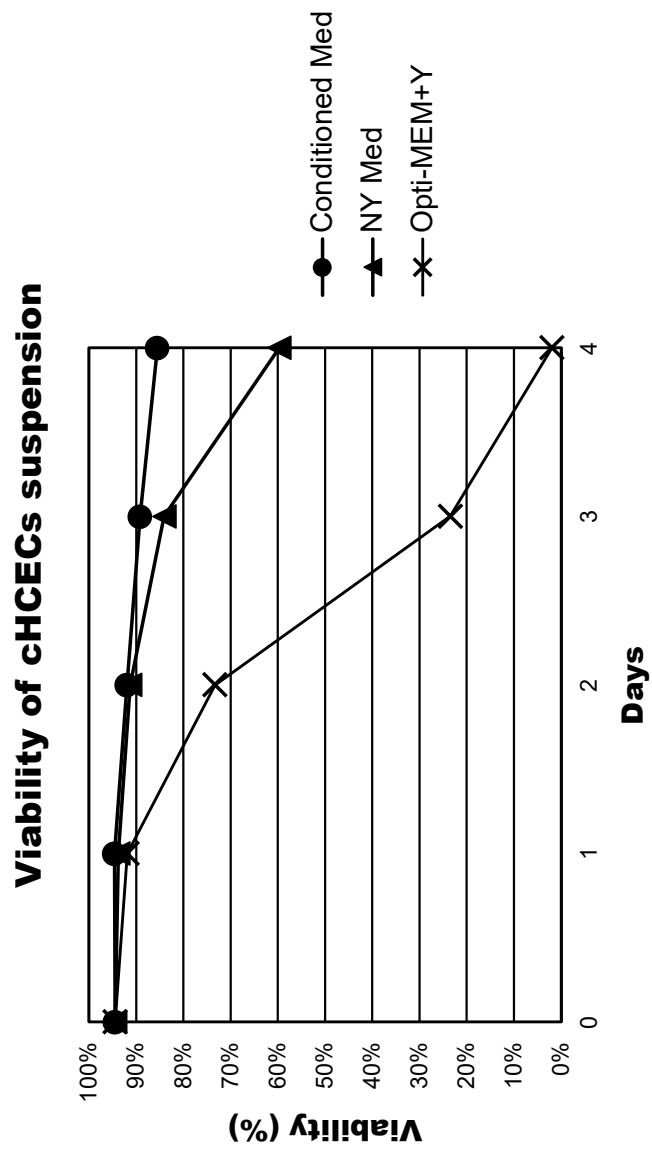


FIG. 34

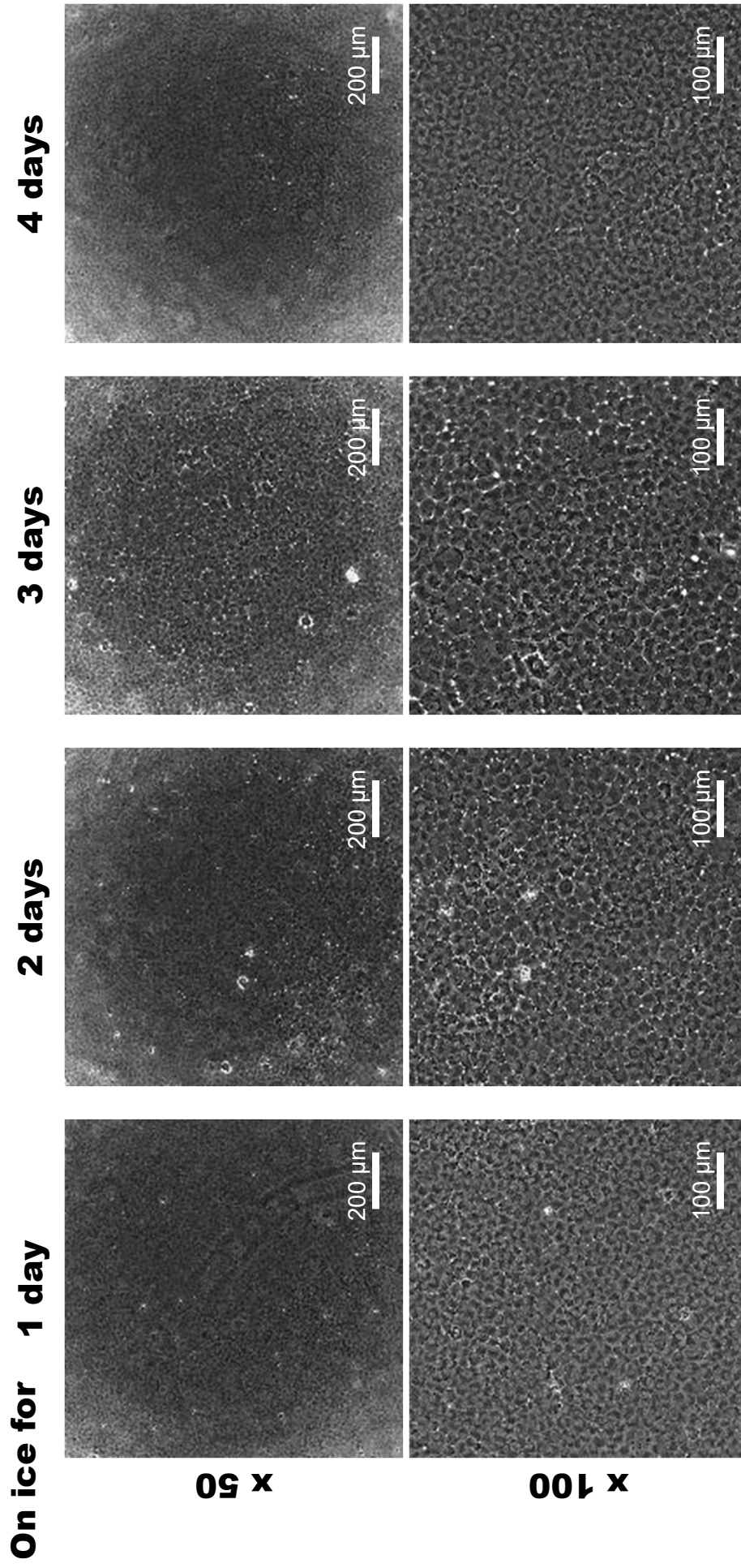


FIG. 35

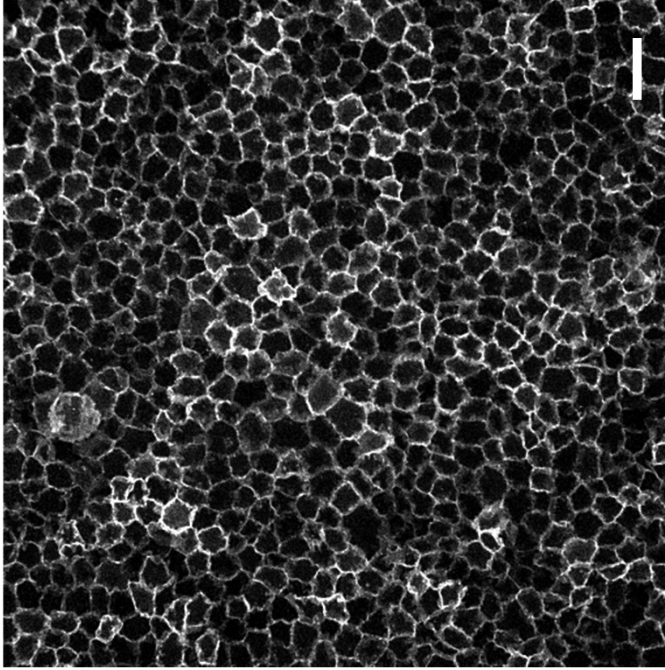
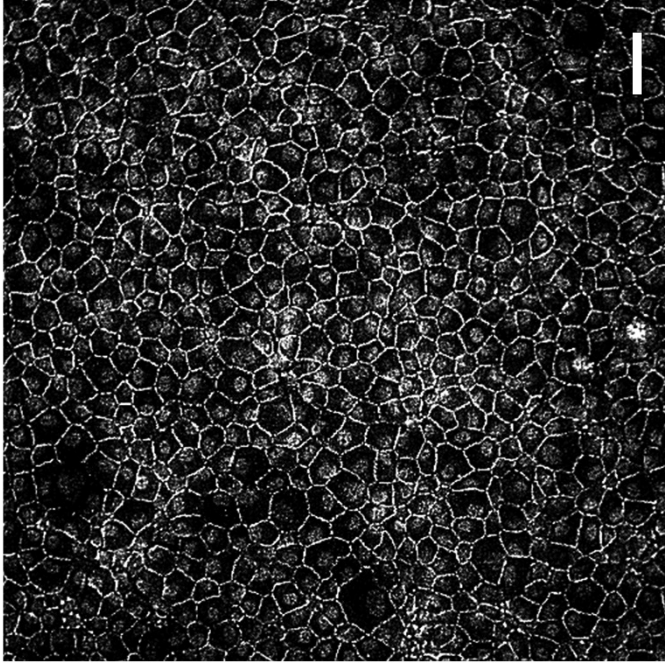
Na⁺/K⁺ ATPase**ZO-1**Bar = 50 μ m

FIG. 36

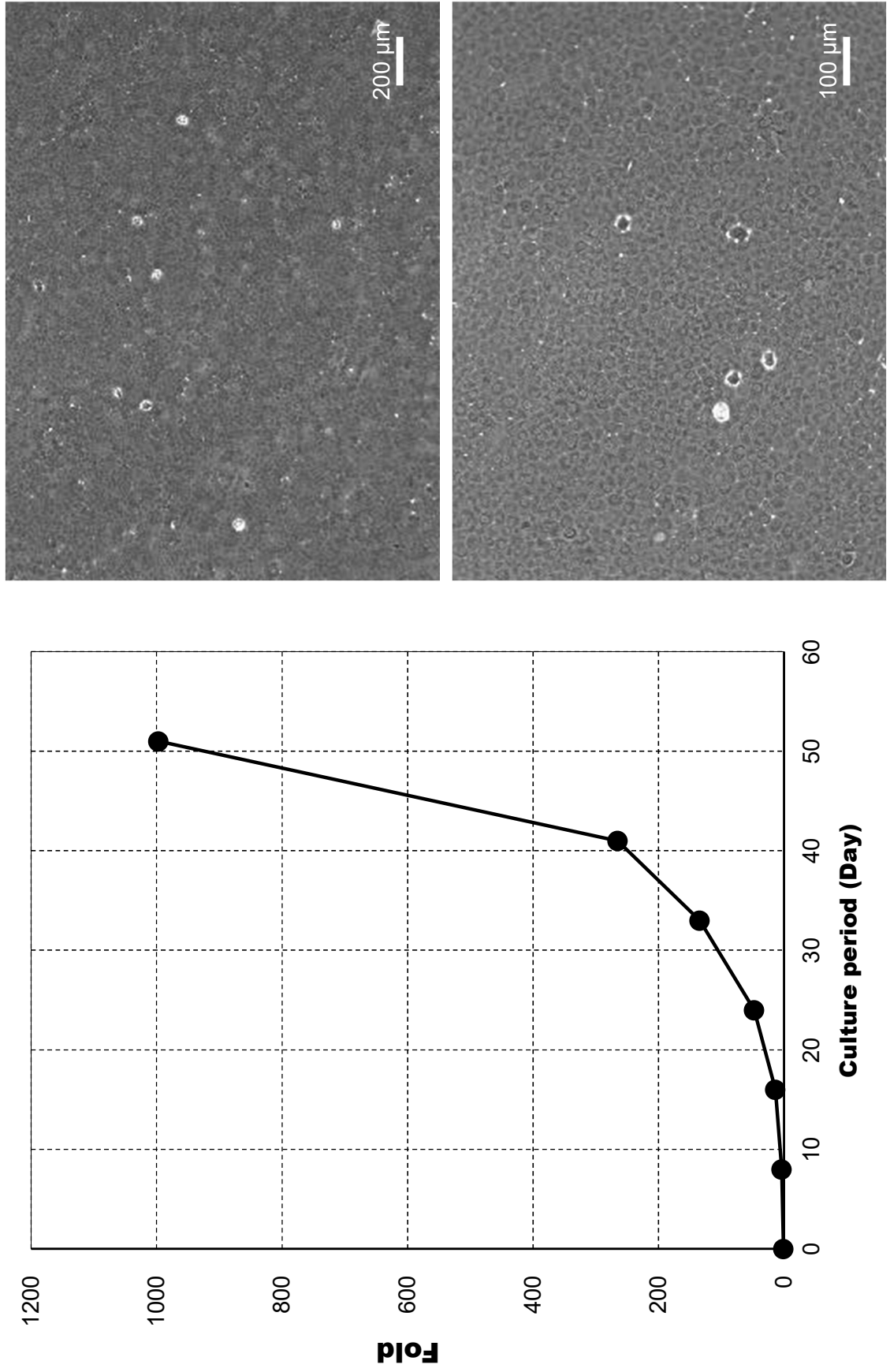
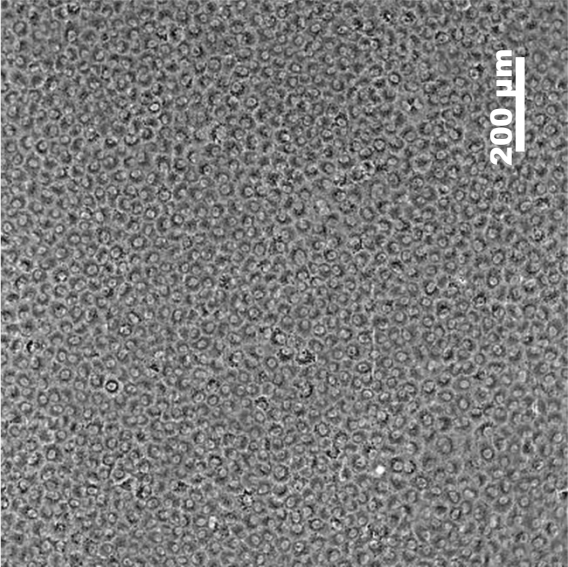
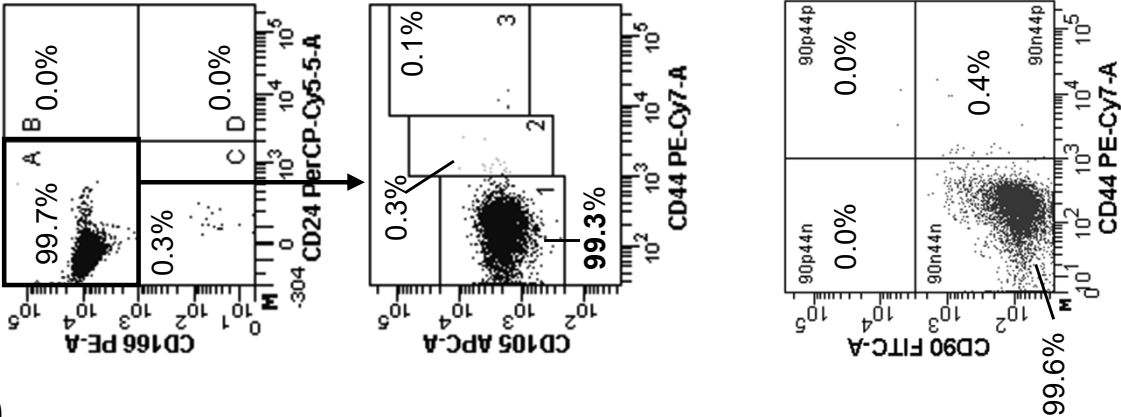


FIG. 37

A



B



PBS-treated

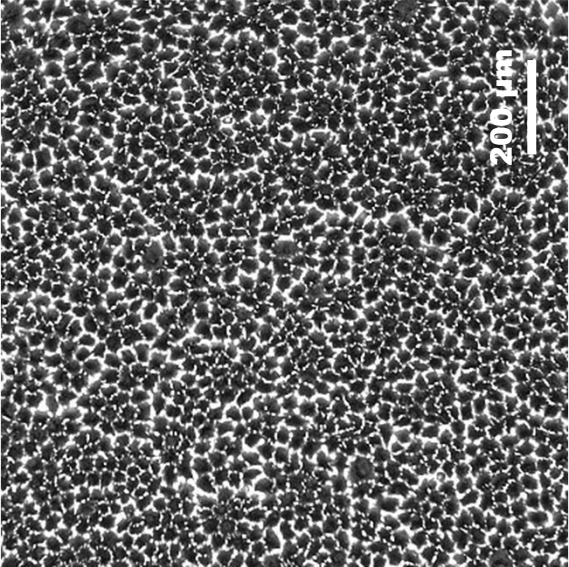


FIG. 38

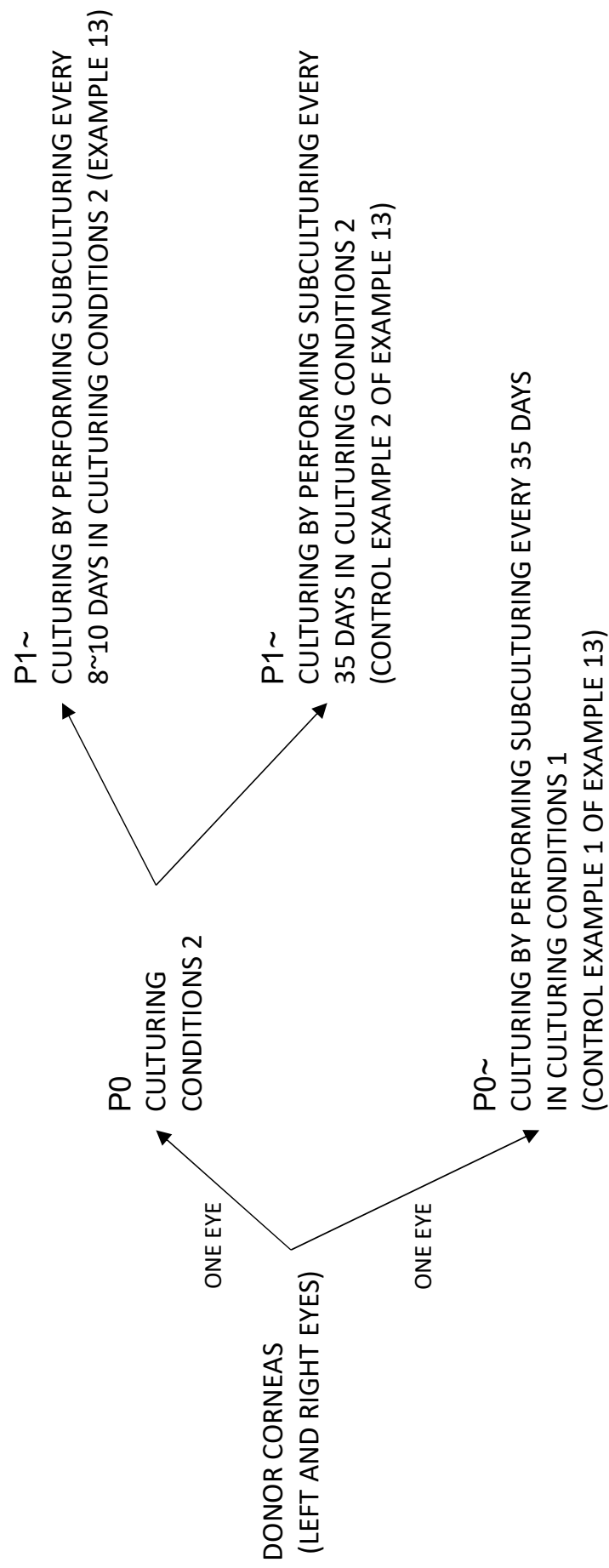
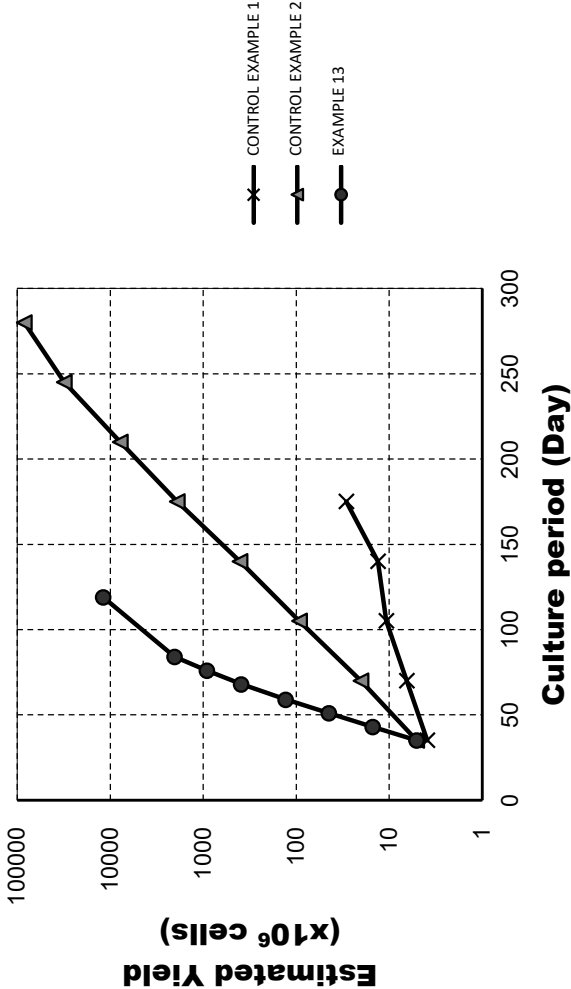


FIG. 39

kCG02: 29Y, M, Black, ECD=3012/3021



kCG03: 7Y, F, Black, ECD=3788/3788

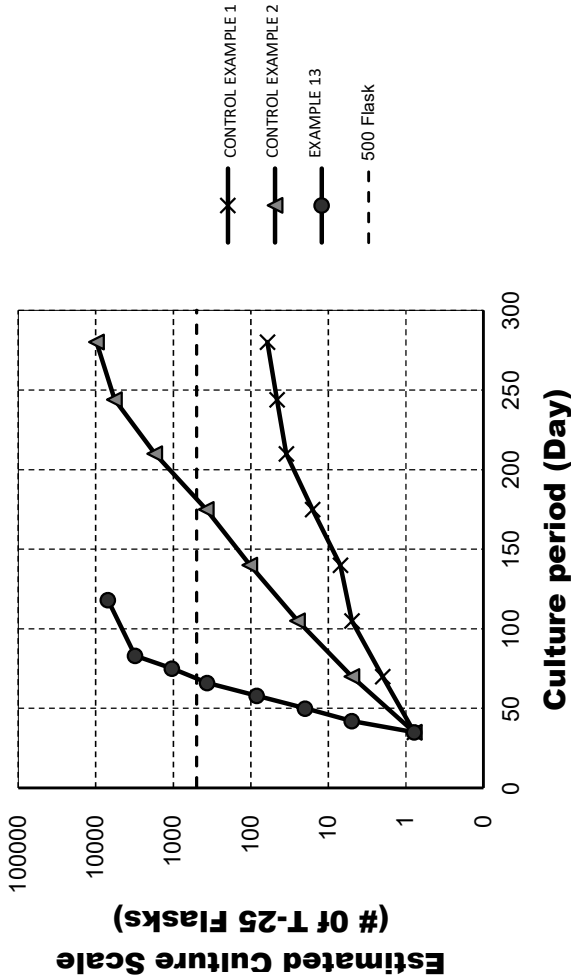
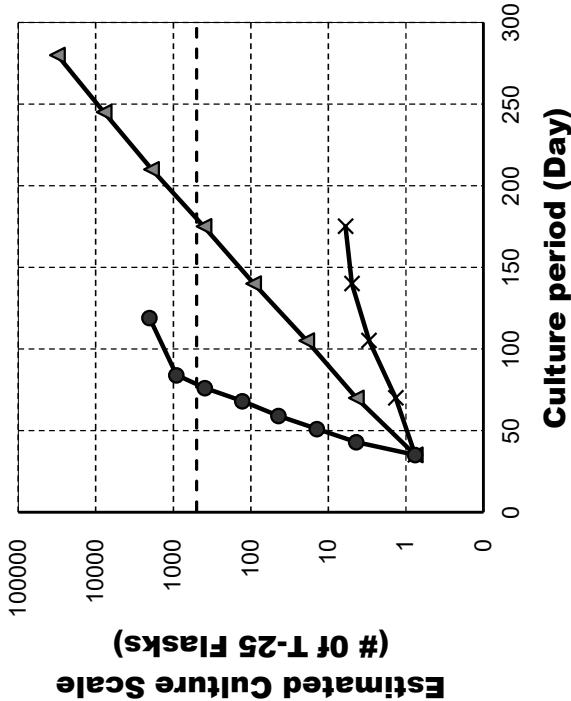
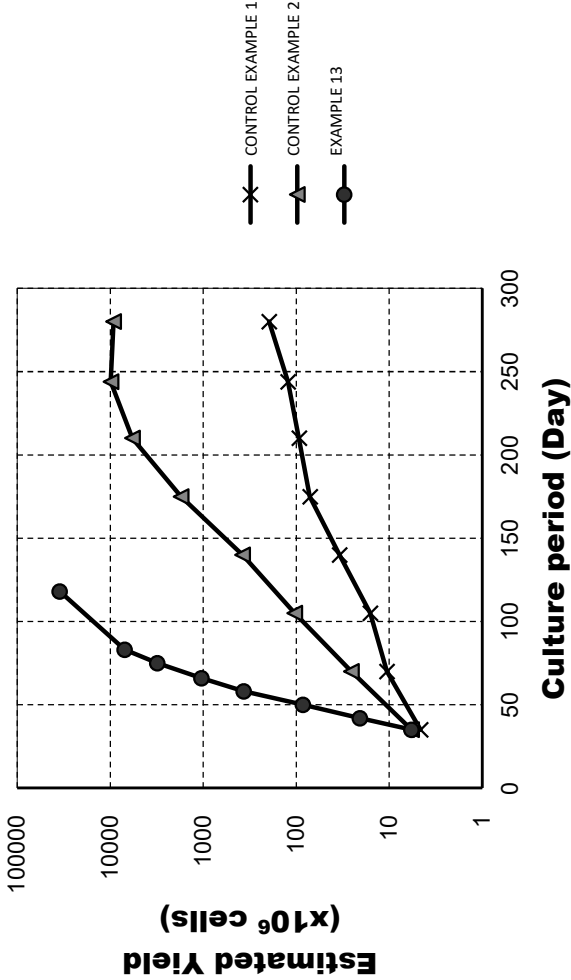


FIG. 40

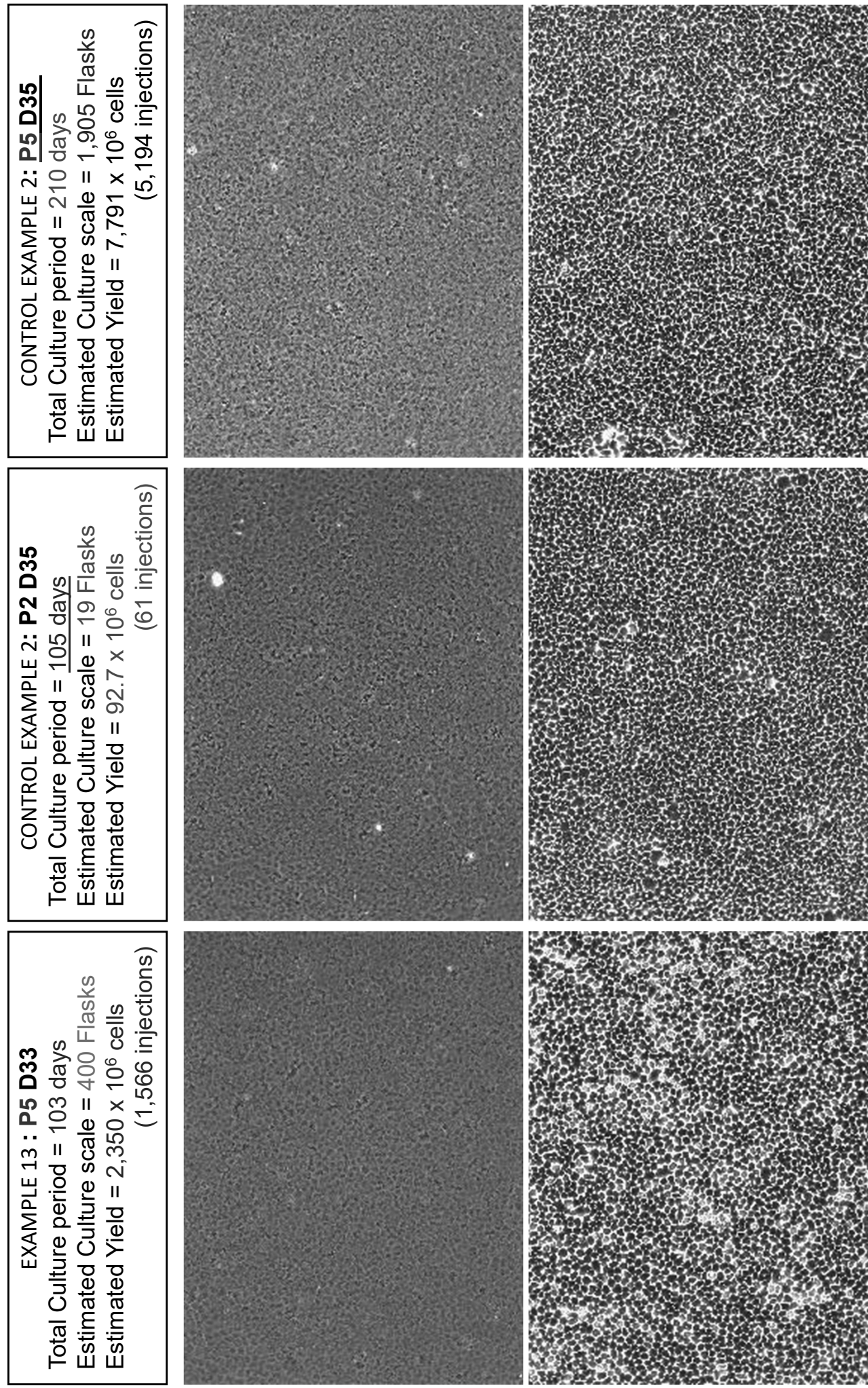


FIG. 41

EXAMPLE 13 : P5 D33

Total Culture period = 99 days
Estimated Culture scale = 1,039 Flasks
Estimated Yield = $5,182 \times 10^6$ cells
(3,454 injections)

CONTROL EXAMPLE 2: P2 D35

Total Culture period = 105 days
Estimated Culture scale = 25 Flasks
Estimated Yield = 103.8×10^6 cells
(69 injections)

CONTROL EXAMPLE 2: P5 D35

Total Culture period = 210 days
Estimated Culture scale = 1732 Flasks
Estimated Yield = 5750×10^6 cells
(3,833 injections)

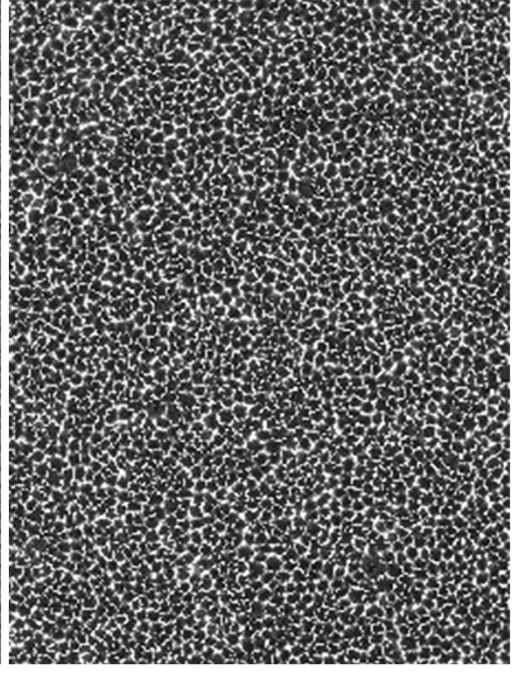
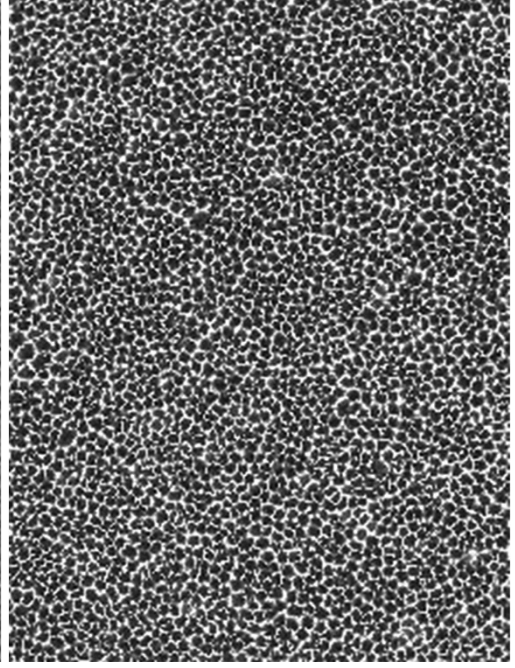
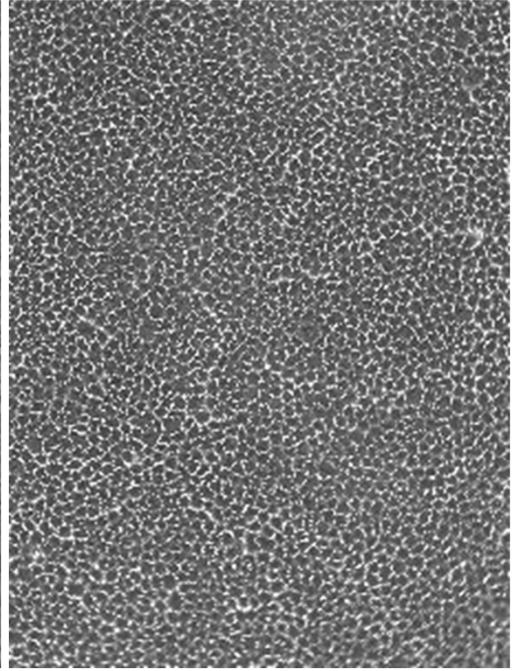
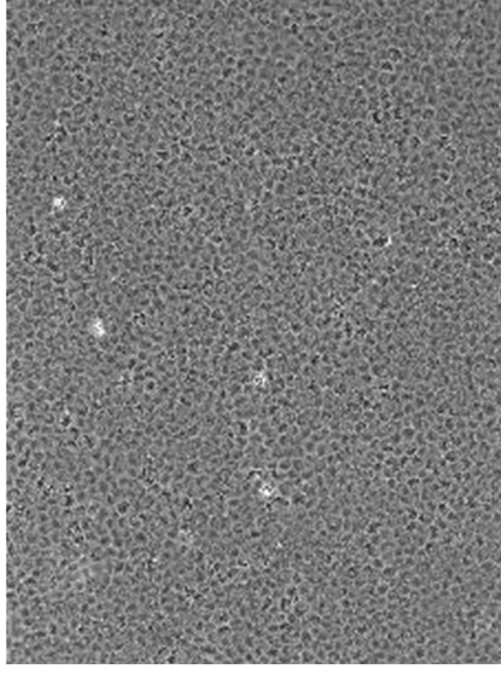
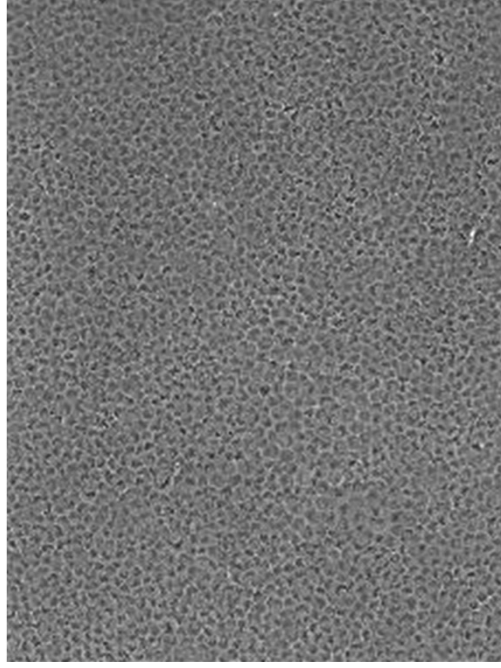
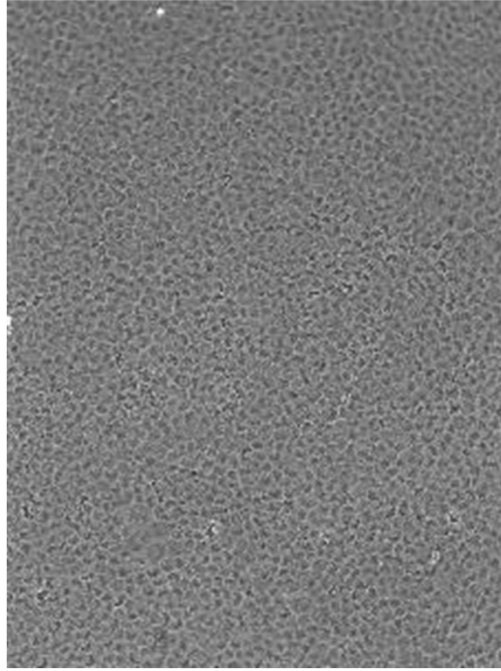


FIG. 42

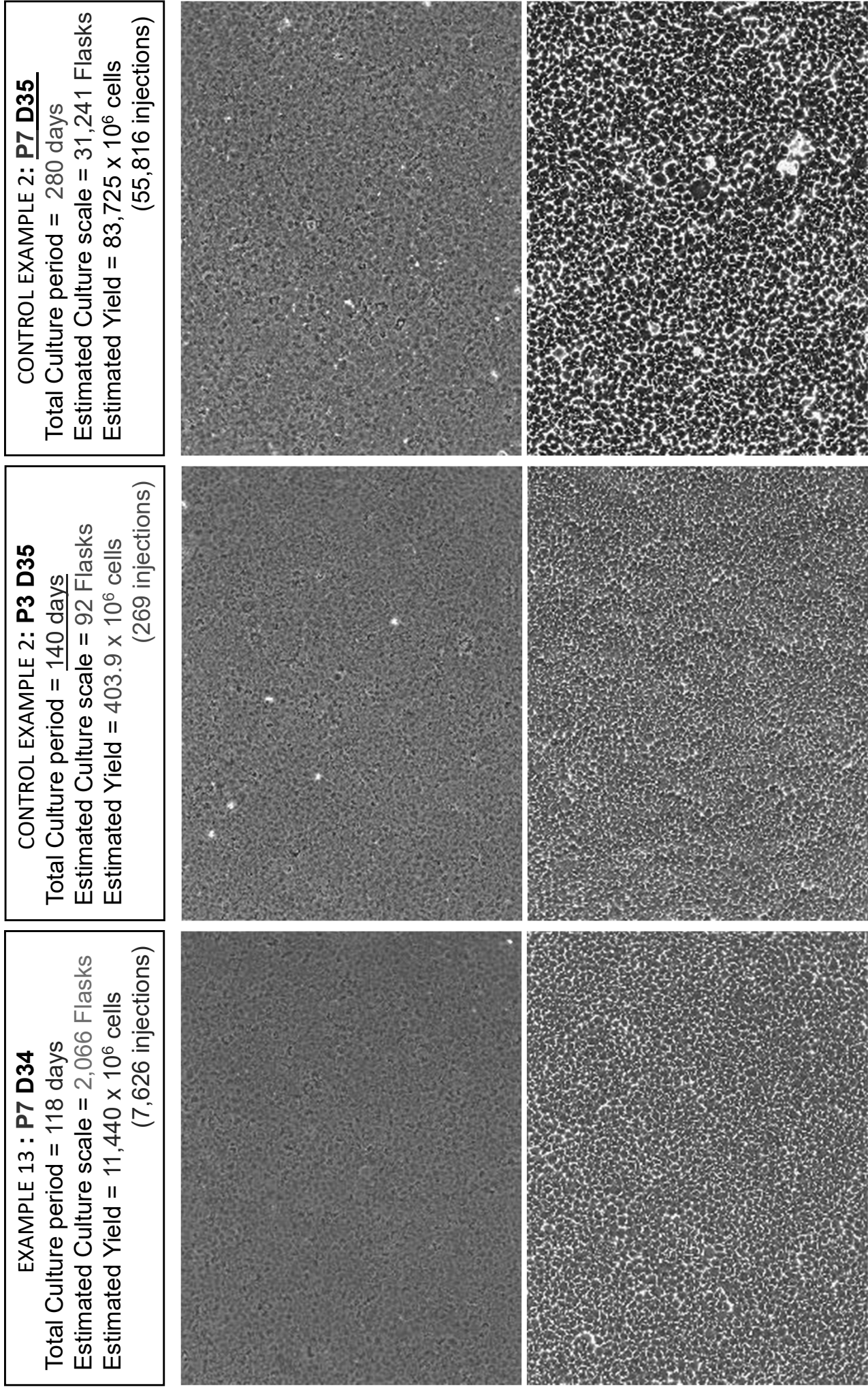


FIG. 43

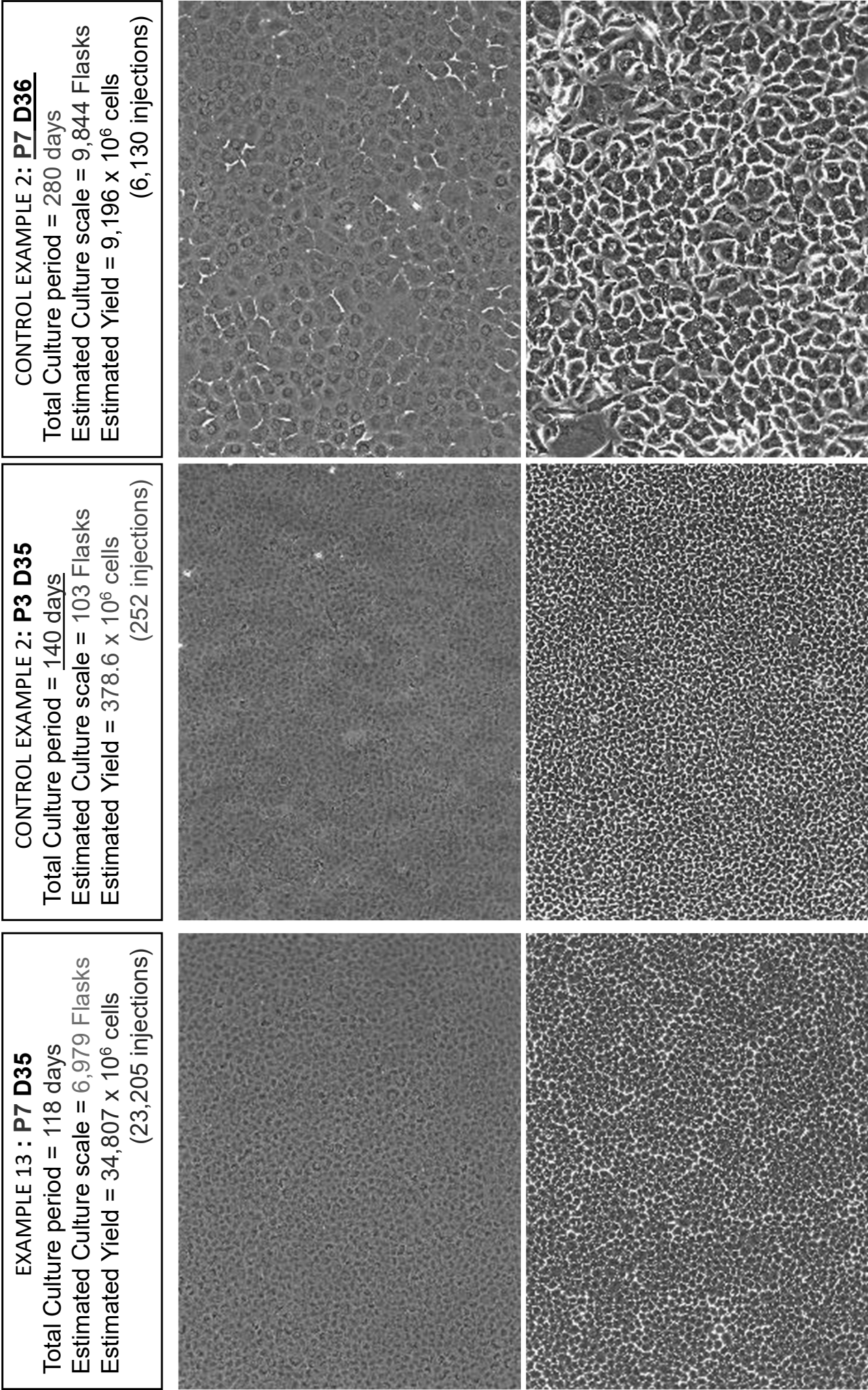


FIG. 44