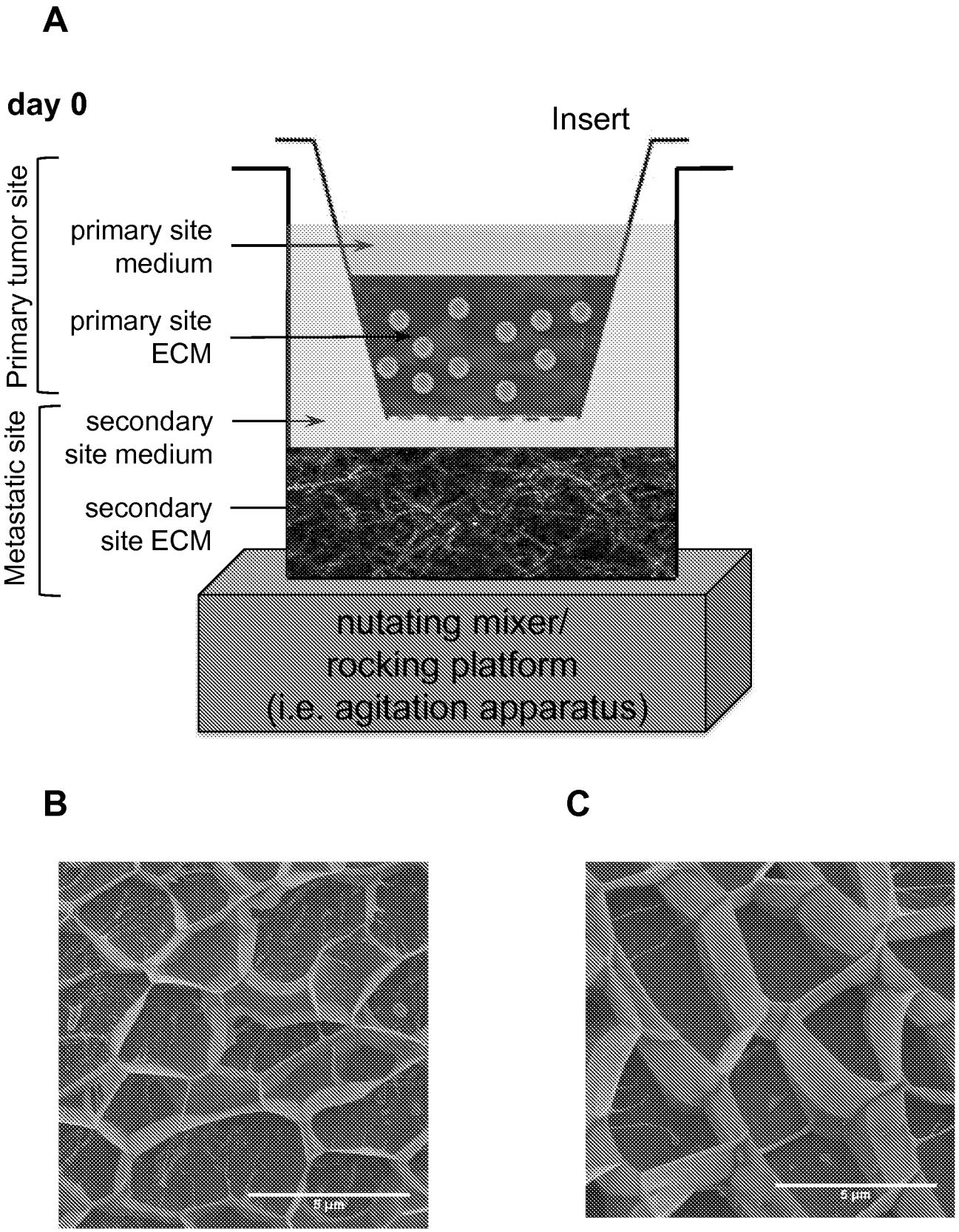

A
day 0
Insert
Primary tumor site
primary site medium
primary site ECM
Metastatic site
secondary site medium
secondary site ECM
nutating mixer/ rocking platform (i.e. agitation apparatus)
B
C
5 µm
5 µm

FIG. 1

D

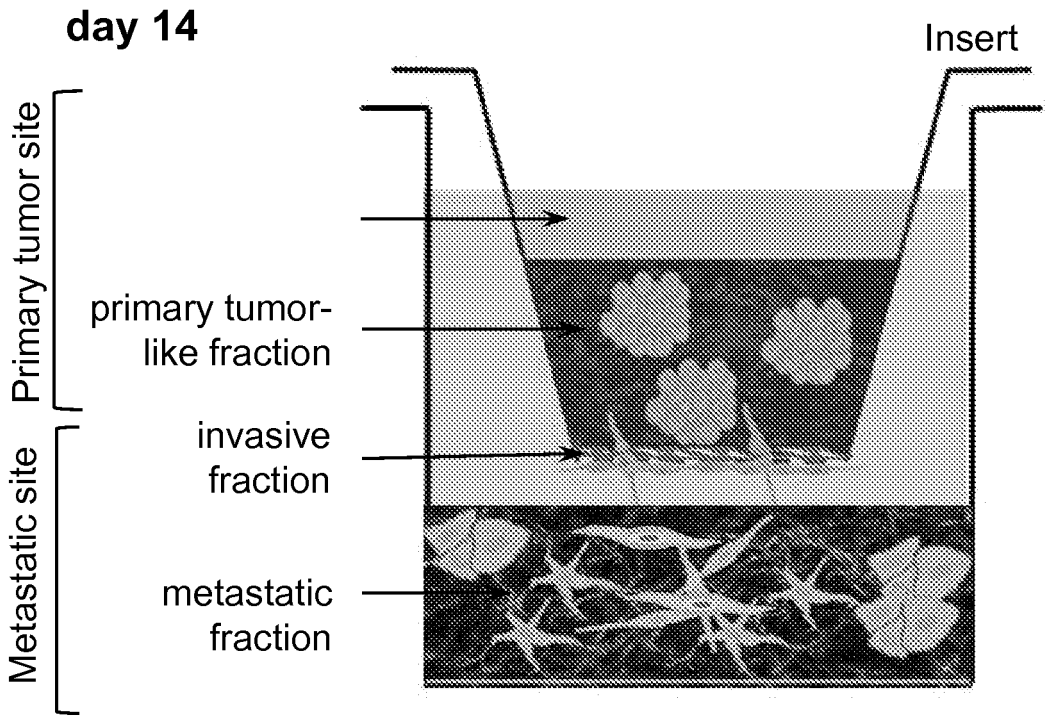

day 14
Insert
Primary tumor site
primary tumor-like fraction
invasive fraction
Metastatic site
metastatic fraction

FIG. 1 (CONT'D)

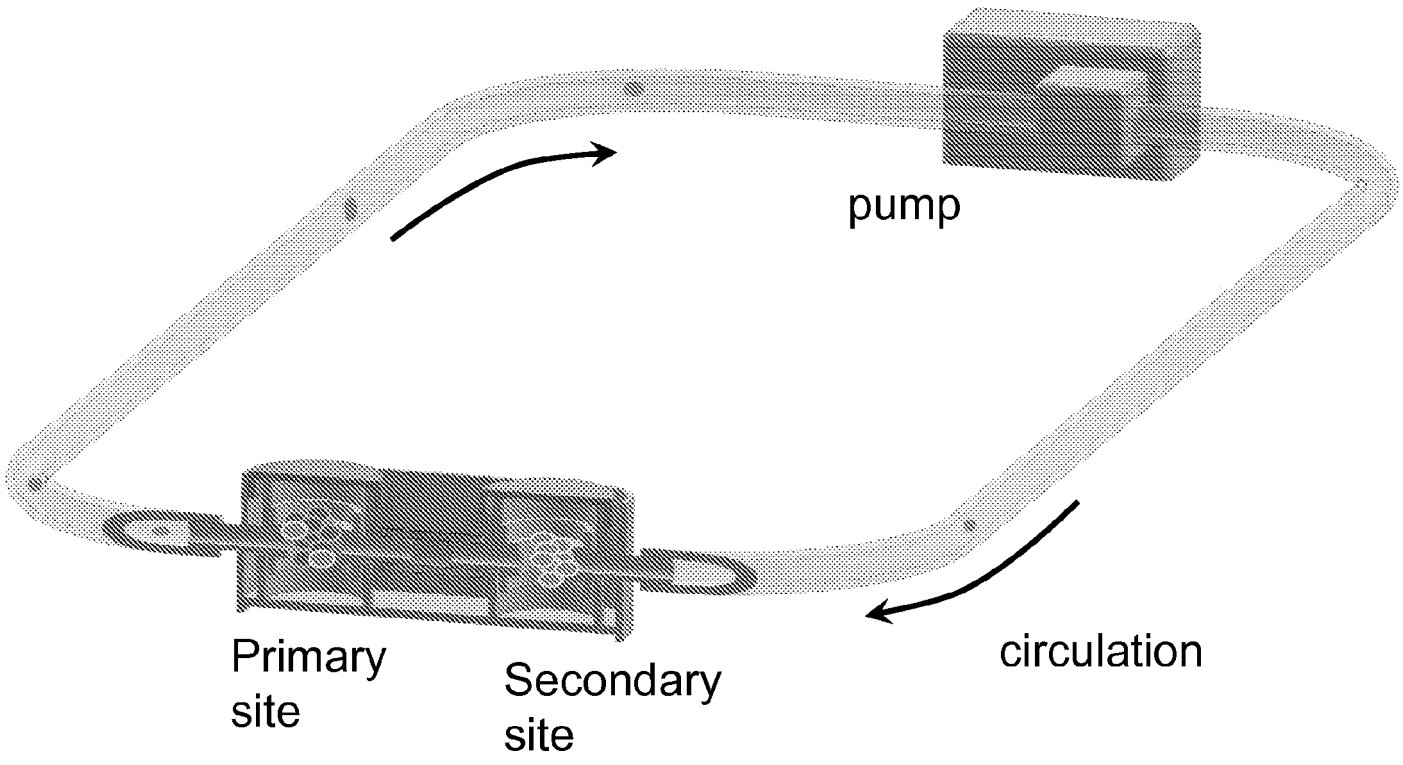


FIG. 2

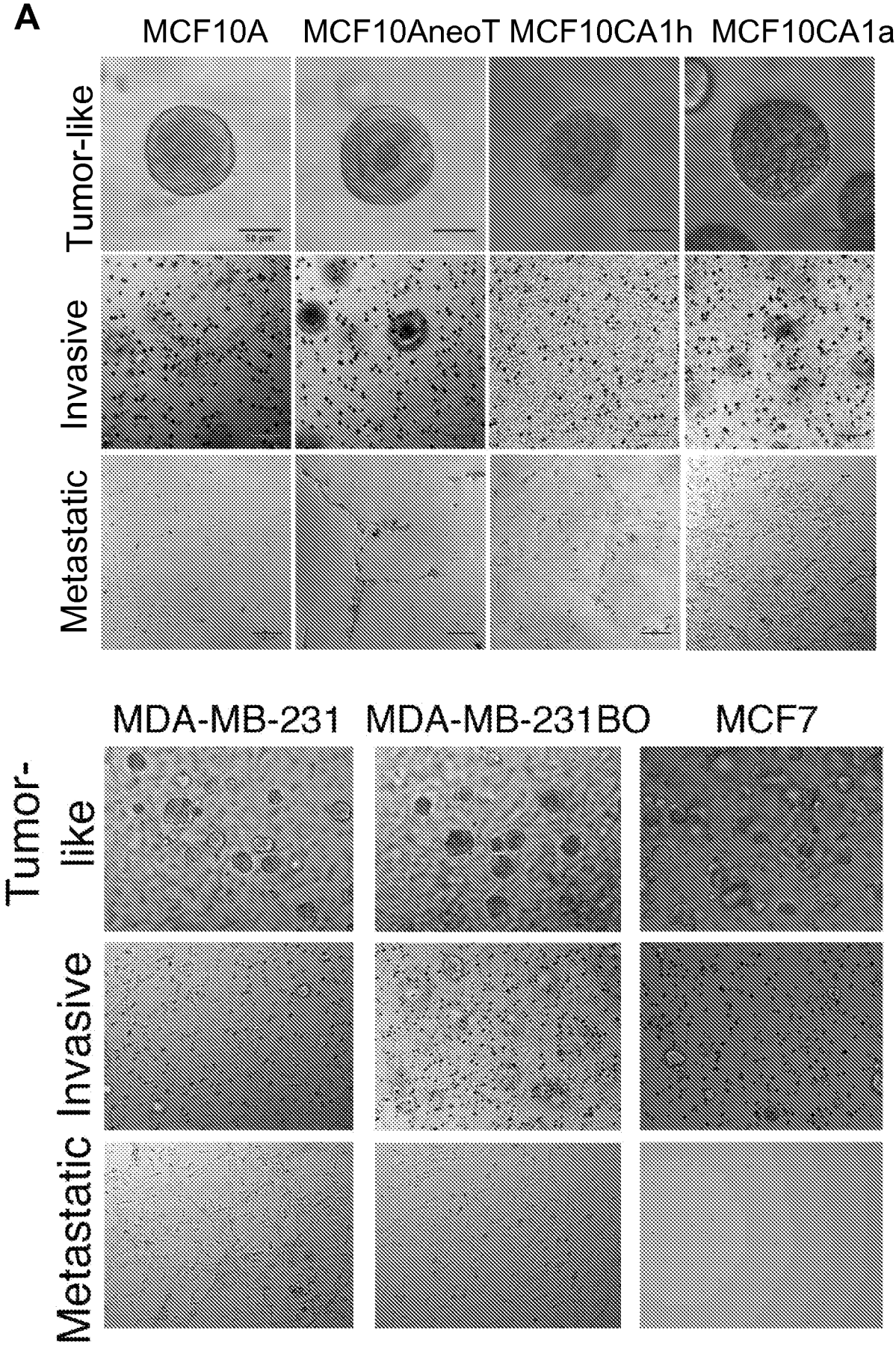

A
MCF10A
MCF10AneoT
MCF10CA1h
MCF10CA1a
Tumor-like
Invasive
Metastatic
MDA-MB-231
MDA-MB-231BO
MCF7
Tumor-like
Invasive
Metastatic

FIG. 3

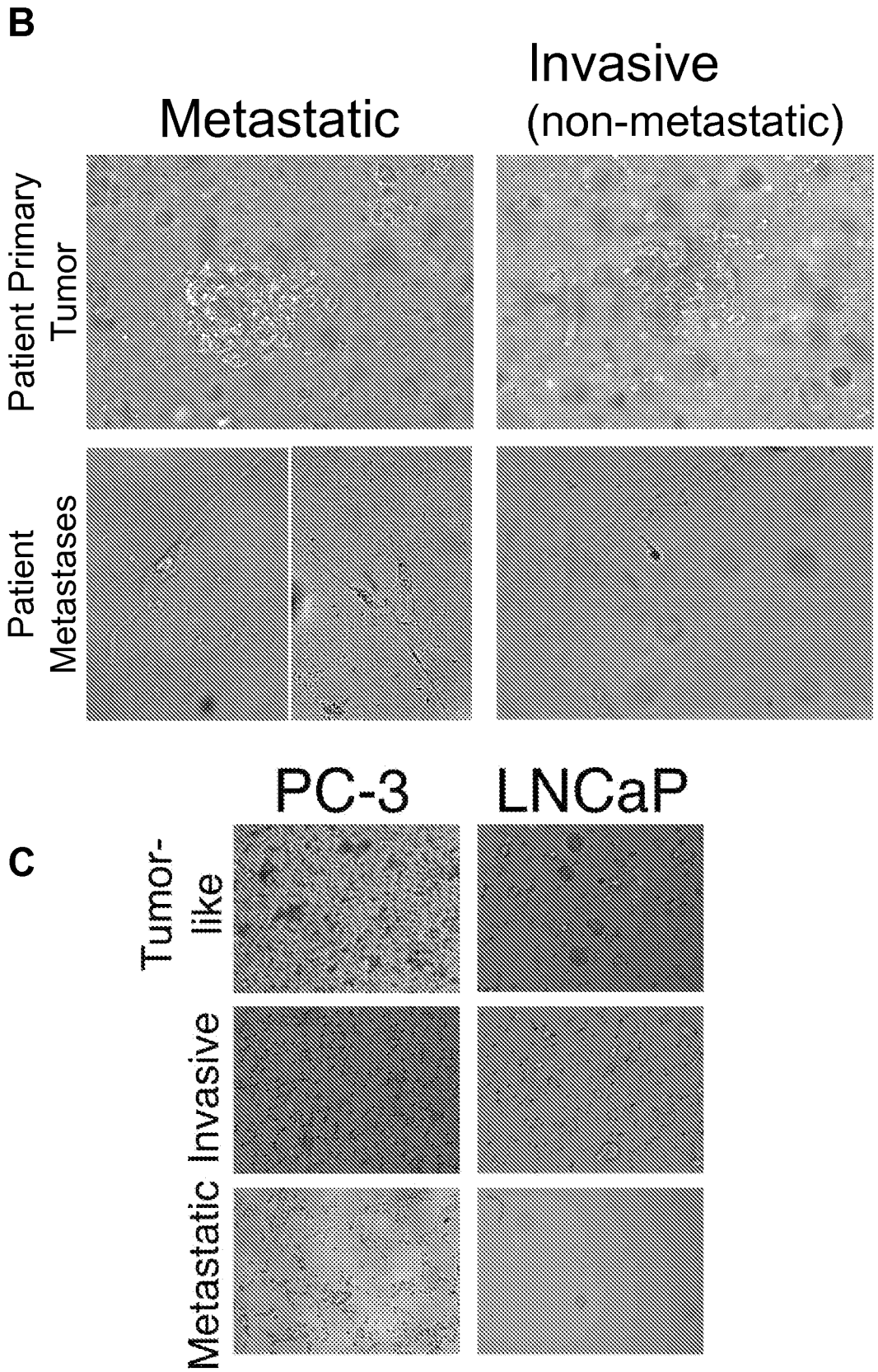

B
Metastatic
Invasive
(non-metastatic)
Patient Primary Tumor
Patient Metastases
C
PC-3
LNCaP
Tumor-like
Invasive
Metastatic

FIG. 3 (CONT'D)

D

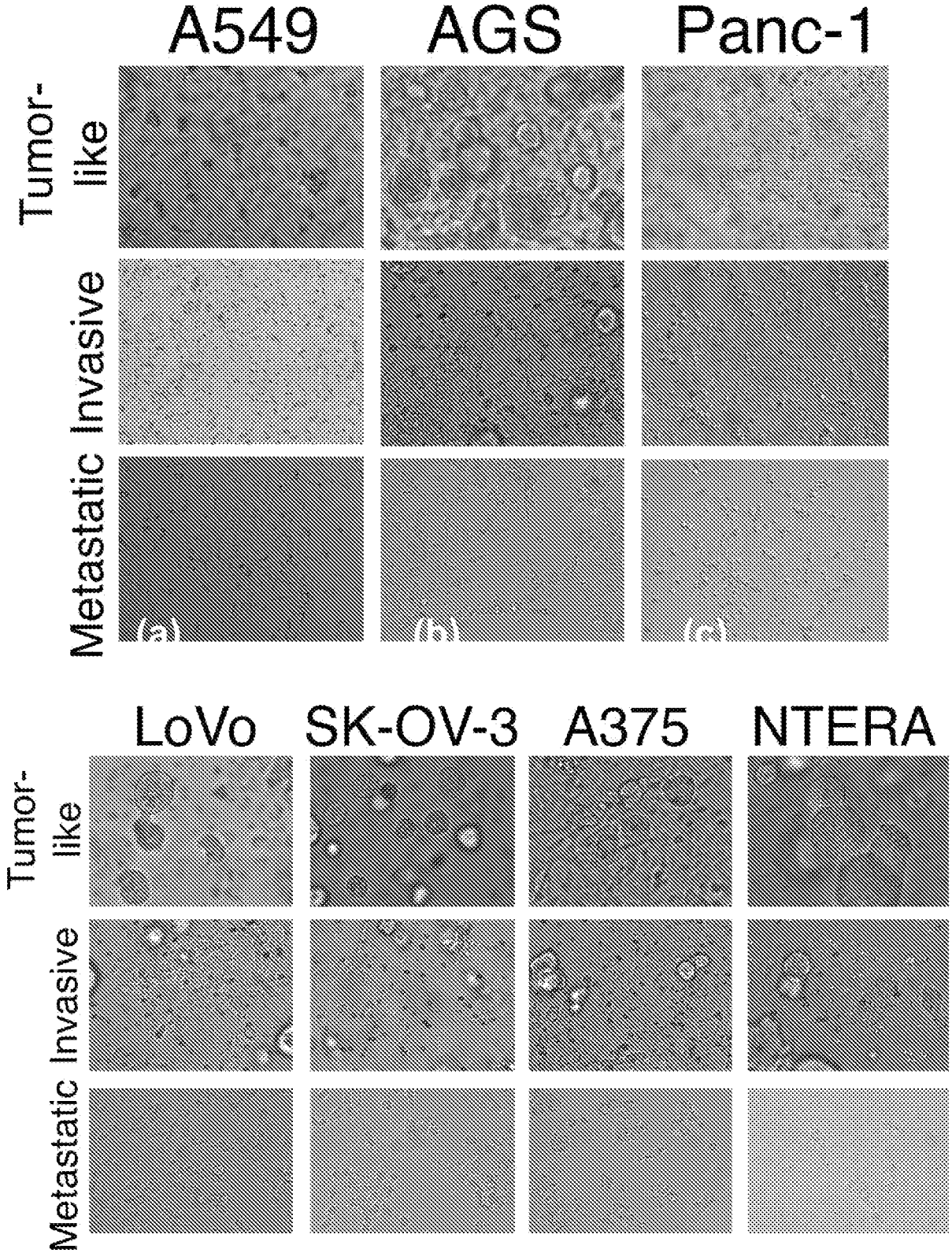

A549
AGS
Panc-1
Tumor-like
Invasive
Metastatic
(a)
(b)
(c)
LoVo
SK-OV-3
A375
NTERA
Tumor-like
Invasive
Metastatic

FIG. 3 (CONT'D)

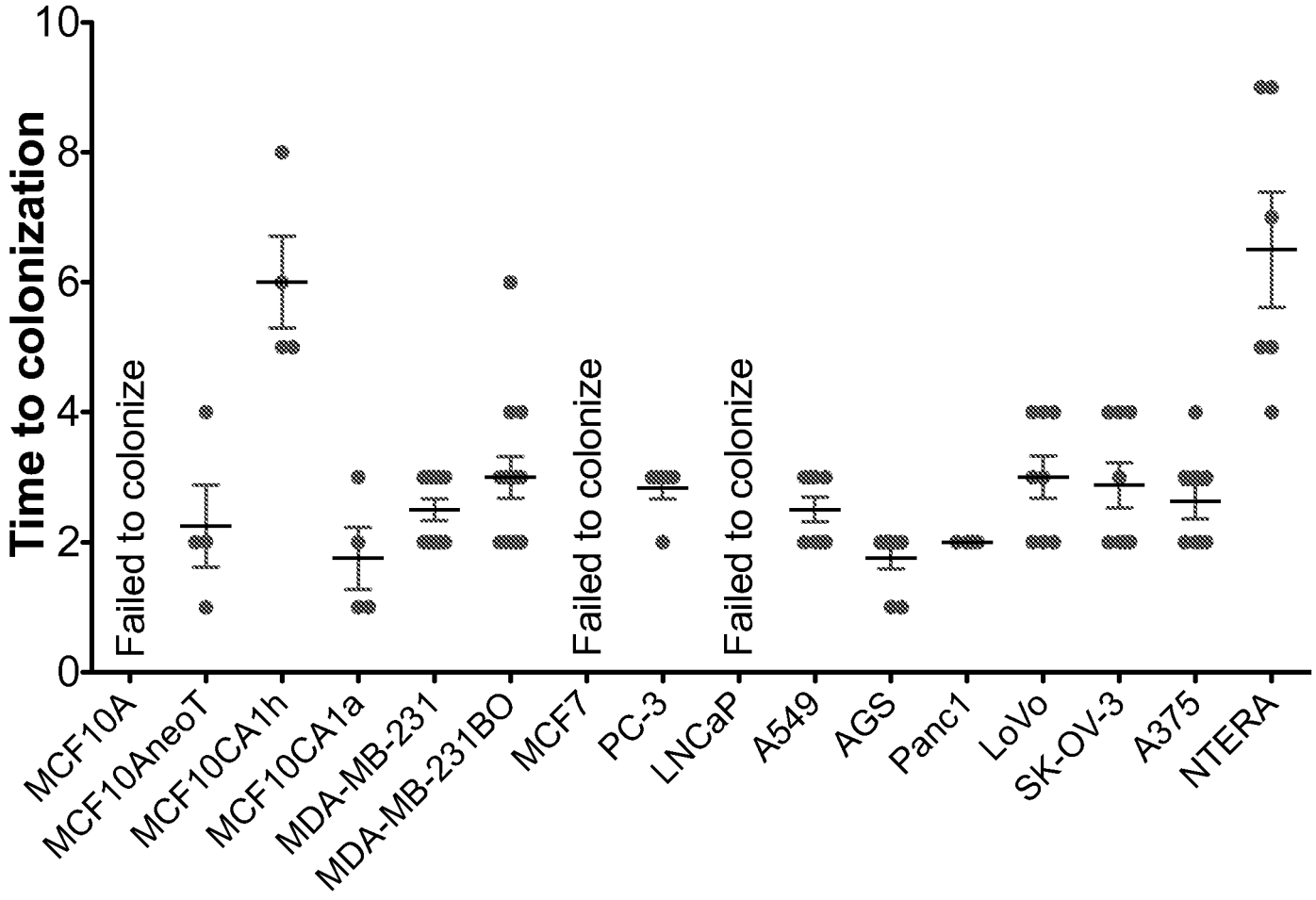

Time to colonization
10
8
6
4
2
0
Failed to colonize
Failed to colonize
Failed to colonize
MCF10A
MCF10AneoT
MCF10CA1h
MCF10CA1a
MDA-MB-231
MDA-MB-231BO
MCF7
PC-3
LNCaP
A549
AGS
Panc1
LoVo
SK-OV-3
A375
NTERA

FIG. 4

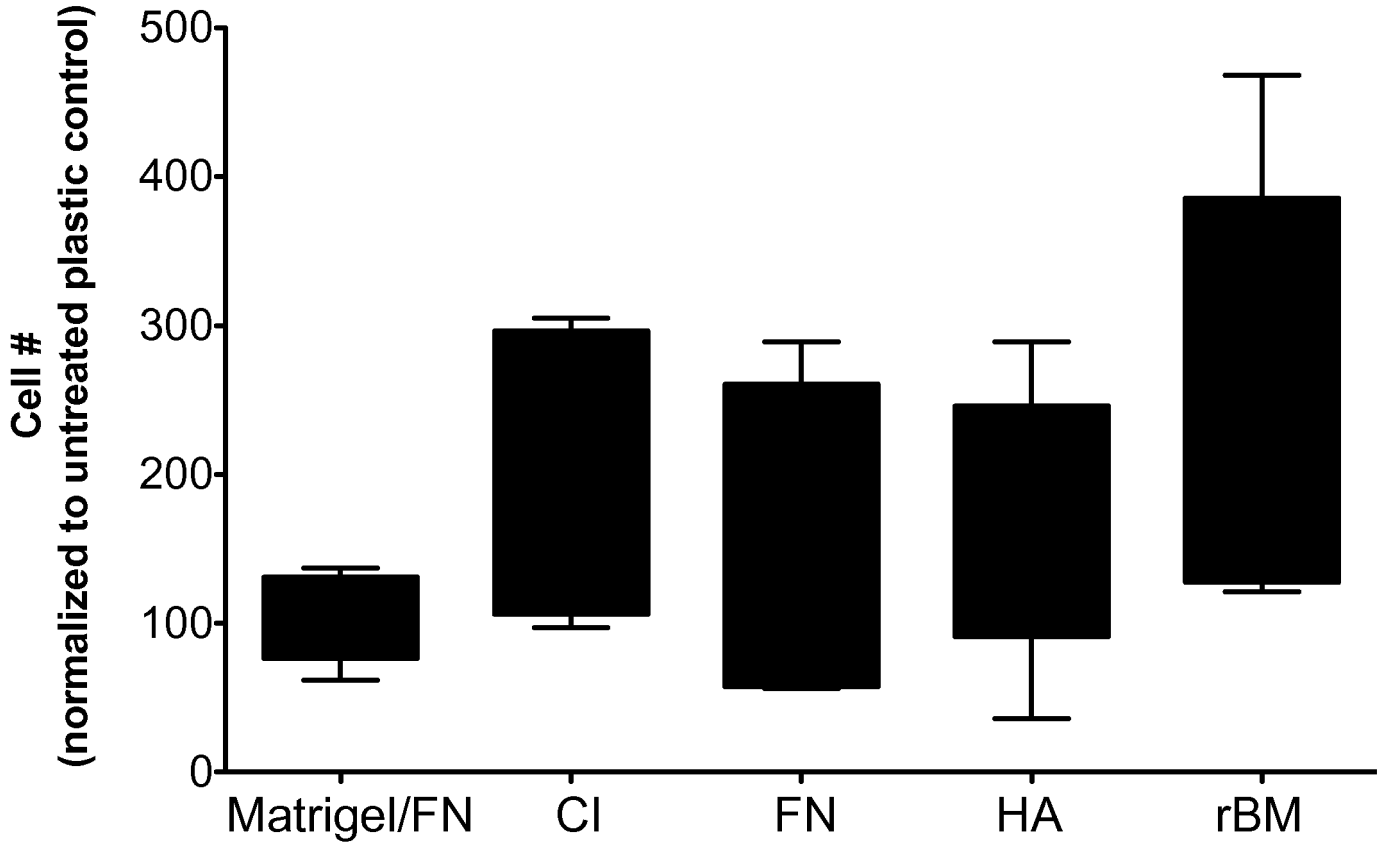

Cell #
(normalized to untreated plastic control)
500
400
300
200
100
0
Matrigel/FN
CI
FN
HA
rBM

FIG. 5

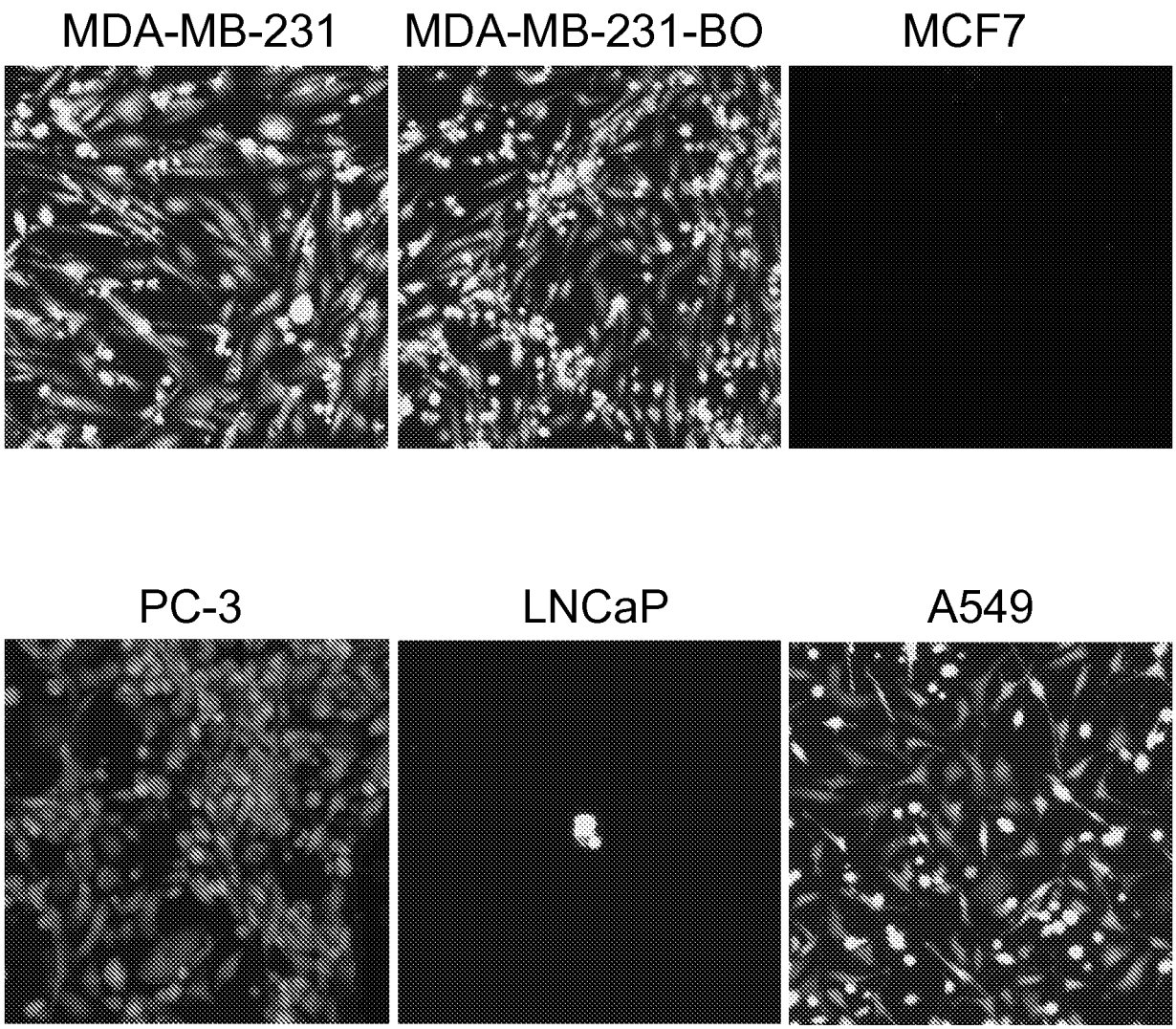


FIG. 6

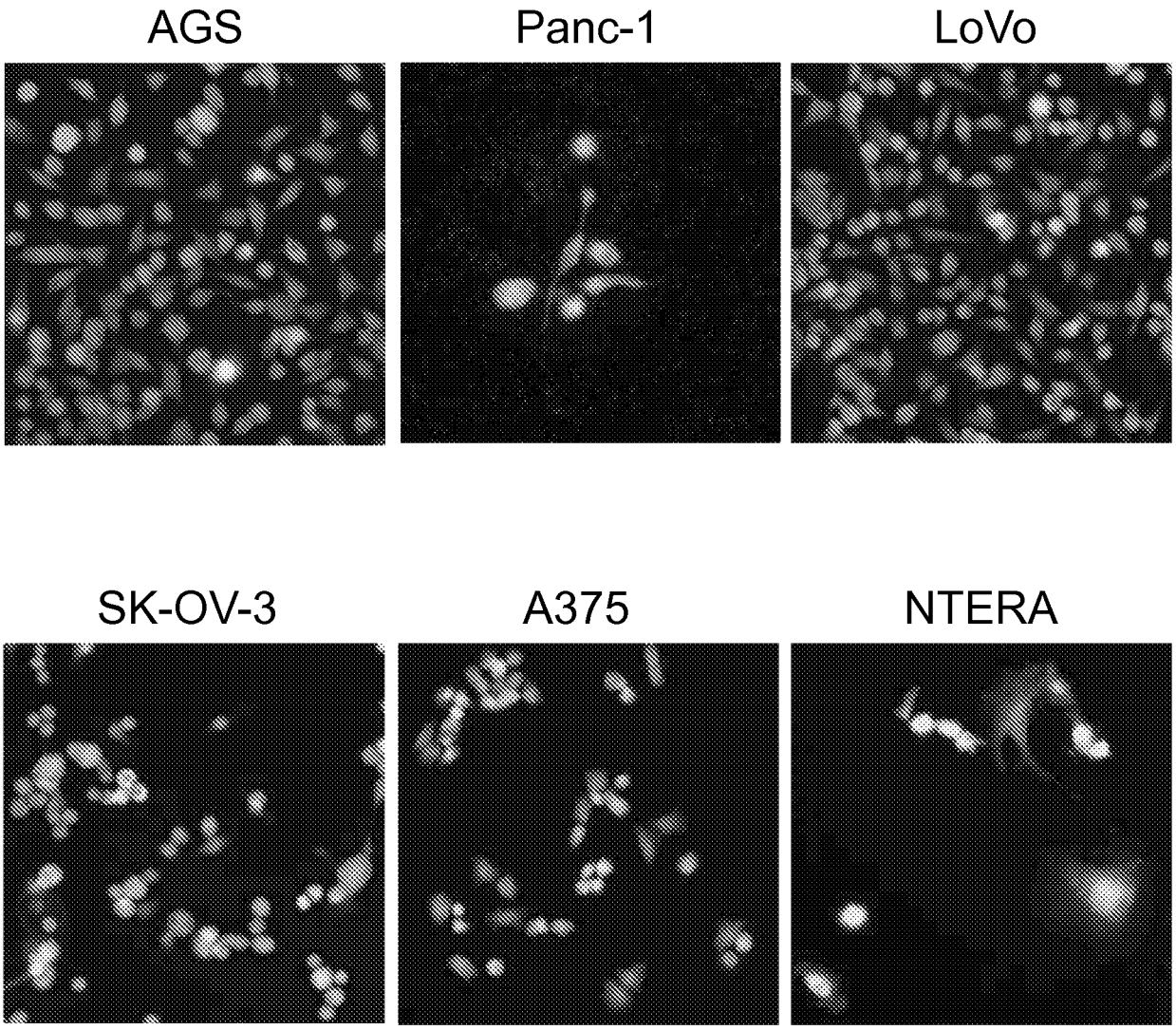


FIG. 6 (CONT'D)

A

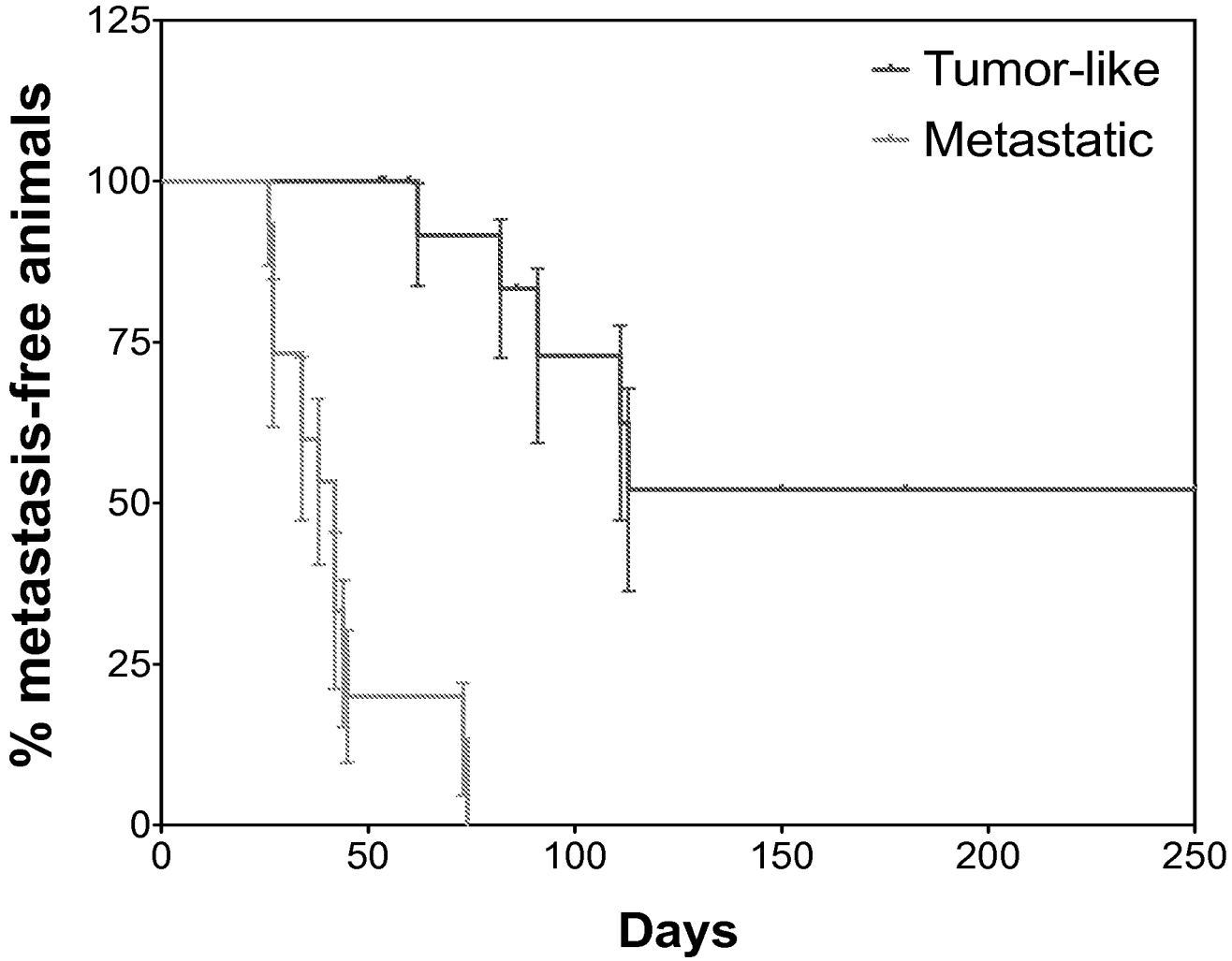

125
100
75
50
25
0
% metastasis-free animals
0
50
100
150
200
250
Days
Tumor-like
Metastatic

FIG. 7

B

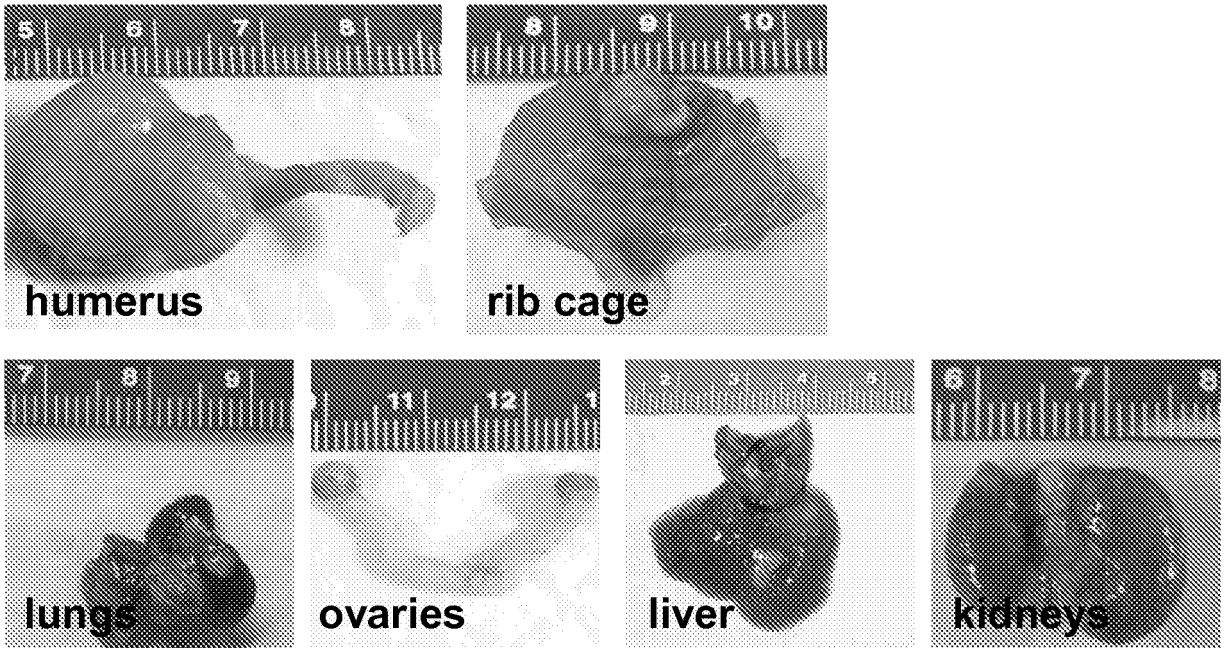


FIG. 7 (CONT'D)

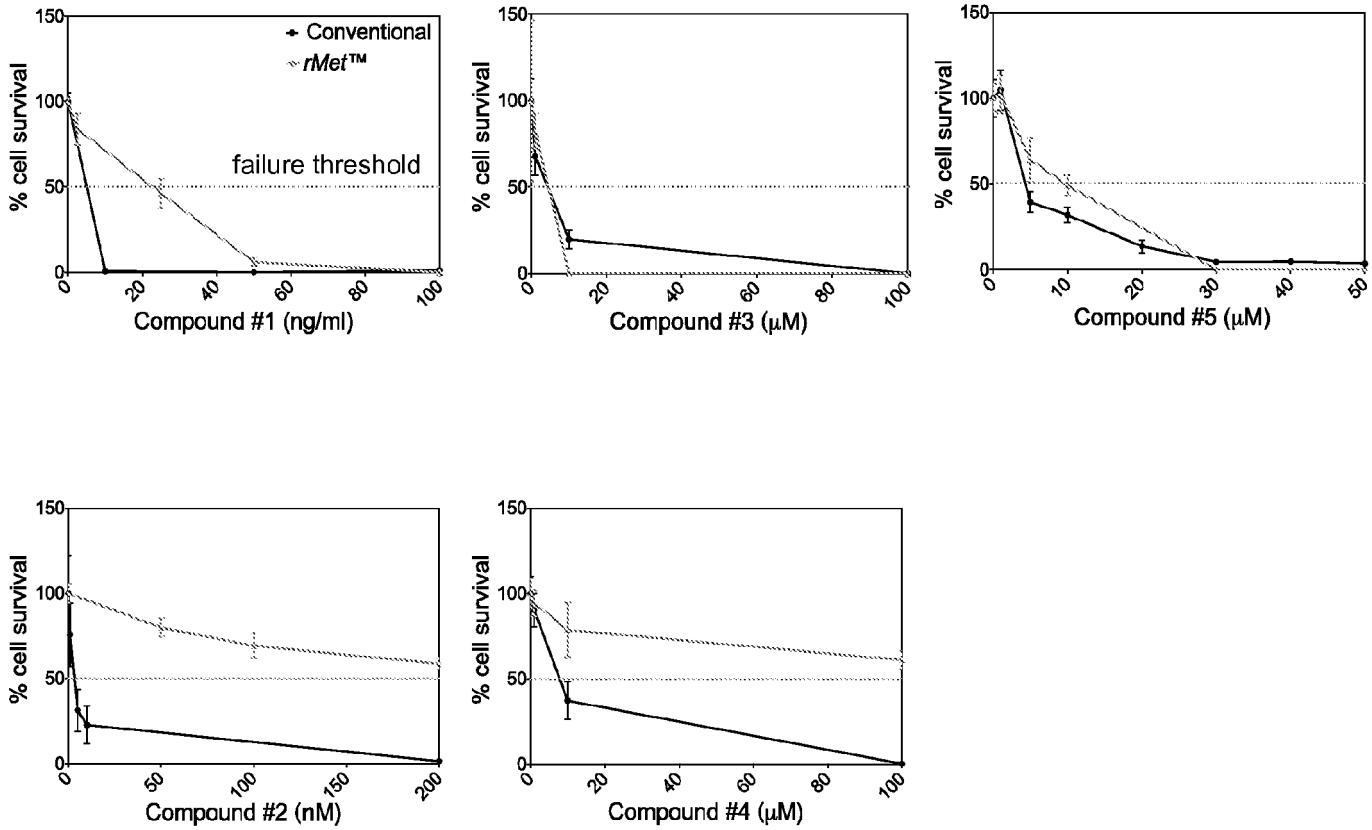

Conventional
rMet™
failure threshold
% cell survival
Compound #1 (ng/ml)
Compound #3 (μM)
Compound #5 (μM)
Compound #2 (nM)
Compound #4 (μM)

FIG. 8