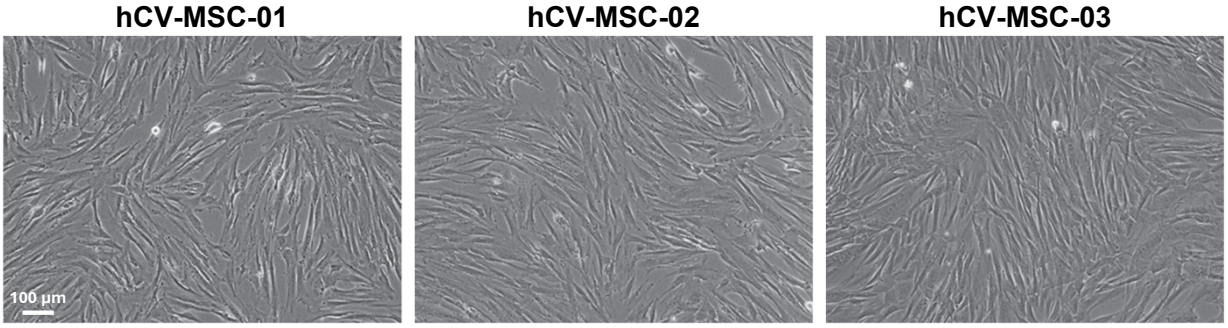
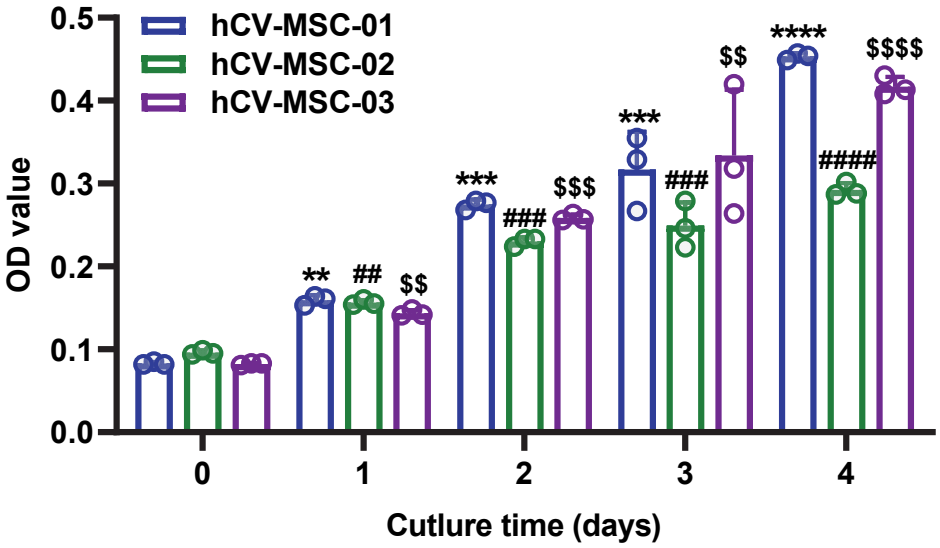
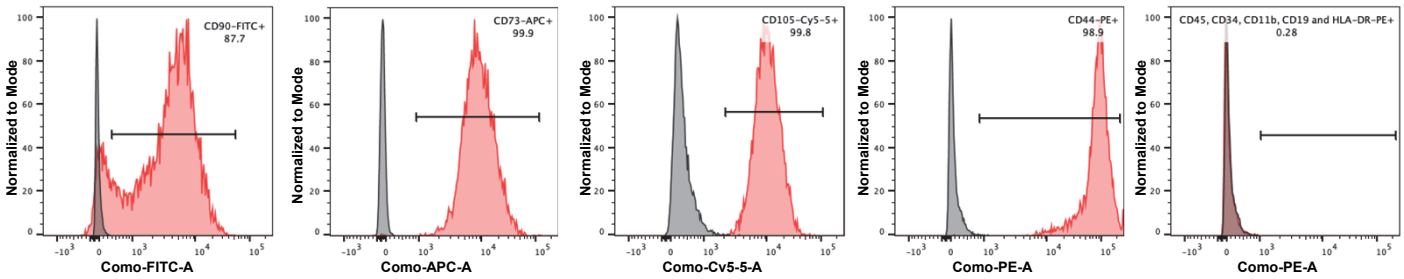
A


hCV-MSC-01
hCV-MSC-02
hCV-MSC-03
100 μm

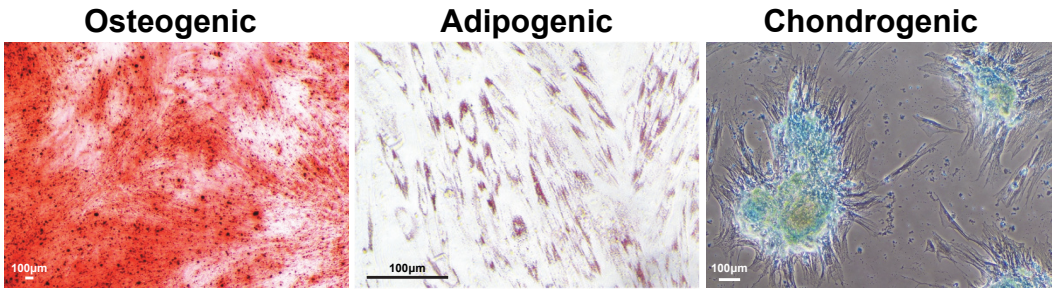
B


hCV-MSC-01
hCV-MSC-02
hCV-MSC-03
OD value
0.5
0.4
0.3
0.2
0.1
0.0
0
1
2
3
4
Cutlure time (days)
**
##
$$
***
###
$$$
***
###
$$
****
####
$$$$

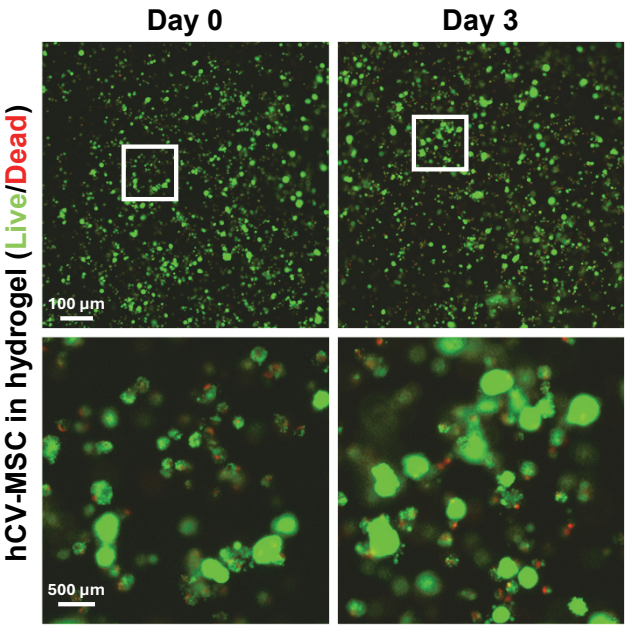
A


CD90-FITC+
87.7
Normalized to Mode
Como-FITC-A
CD73-APC+
99.9
Como-APC-A
CD105-Cy5-5+
99.8
Como-Cv5-5-A
CD44-PE+
98.9
Como-PE-A
CD45, CD34, CD11b, CD19 and HLA-DR-PE+
0.28
Como-PE-A

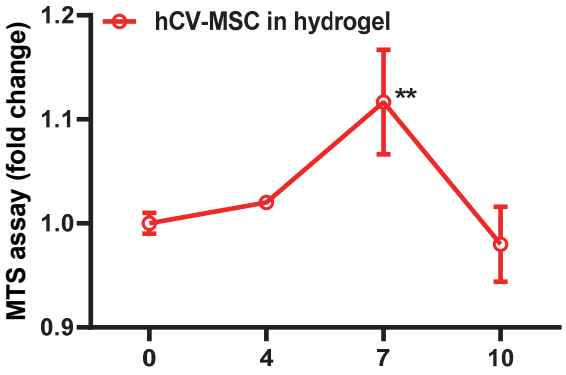
B


Osteogenic
Adipogenic
Chondrogenic
100μm
100μm
100μm

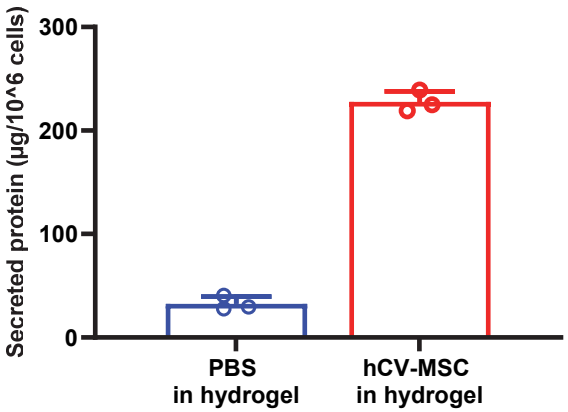
A


Day 0
Day 3
hCV-MSC in hydrogel (Live/Dead)
100 μm
500 μm

B


hCV-MSC in hydrogel
MTS assay (fold change)
1.2
1.1
1.0
0.9
**
0
4
7
10

C


Secreted protein (μg/10^6 cells)
300
200
100
0
PBS
in hydrogel
hCV-MSC
in hydrogel