

A

SHED
(Incisor, 6YR, F)

Primary culture: FBS 15%
Stock (Passage 3): FBS 15%
Cell seeding: Culture (Passage 5)
CCK, Live & Dead

0 2 4 6 days

10% FBS
15% FBS
2% hPL
5% hPL
7.5% hPL
10% hPL

B

Live/Dead

Day 2
Day 4
Day 6

10% FBS 15% FBS 2% hPL 5% hPL 7.5% hPL 10% hPL

C

Cell viability (%)

1.6×10³
1.4×10³
1.2×10³
1.0×10³
8×10²
500
400
300
100

10%FBS
15%FBS
2%hPL
5%hPL
7.5%hPL
10%hPL

Day 2 Day 4 Day 6

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Table S1. Primer sequences used in the qRT-PCR

Name	Forward	Reverse
COL1A	5'-CGTGACCAAAAACCAAAAGTGC-3'	5'-GGGTGGAGAAAGGAACAGAAA-3'
ALP	5'-ACACCTTGACTGTGGTTACT-3'	5'-CCTTGTAGCCAGGCCCGTTA-3'
DMP1	5'-GGACGGCTCTGAGTTCGA-3'	5'-TGGGTTTCCCTGCTGTTG-3'
DSPP	5'-AGAAGGACCTGGCCAAAAAT-3'	5'-TCTCCTCGGCTACTGCTGTT-3'
OCN	5'-AGACTCCGGCGCTACCTCAACAAT-3'	5'-CAGCTGTGCCGTCCATACT-3'
RUNX2	5'-GACCGACACAGCCATATAAA-3'	5'-TCCCTAACCTGAAACCAAAG-3'
PPAR- γ 2	5'- AGCCTGCGAAAGCCTTTTGGTG-3'	5'-GGCTTCACATTCAGCAAACCTGG -3'
FABP4	5'- ACGAGAGGATGATAAACTGGTGG-3'	5'-GCGAACTTCAGTCCAGGTCAAC -3'
LPL	5'-CTGCTGGCATTGCAGGAAGTCT-3'	5'-CATCAGGAGAAAAGACGACTCGG-3'
Col-IIA	5'-GTGACAAAGGAGAGGCTGGA-3'	5'-ACCTCTAGGGCCAGAAGGAC-3'
SOX9	5'-ATCTGAAGAAGACTGCGAG-3'	5'-TCAGAAGTCTCCAGAGCTTG-3'
ACAN	5'-CTGCTTCCGAGGCATTTTCAG-3'	5'-CTTGGGTCACGATCCACTCC-3'
MASH-1	5'-CCAGTTGTACTTCAGCACC-3'	5'-TGCCACTTTGAGTTTGGAC-3'
NeuroD	5'-CCACGGATCAATCTTCTCAG-3'	5'-CATGATGTGAATGGCTATCG-3'
Nestin	5'-GCCCTGACCACTCCAGTTA-3'	5'-GGAGTCCTGGATTTCTTCC-3'
GFAP	5'-GAGCACAAGGATGTGATGT-3'	5'-AGAGGCGGAGCAACTAT-3'
β -tubulin	5'-GAAGCCAGCAGTGTCTAAA-3'	5'-GAGGACGAGGCCATAAATAC-3'
GAPDH	5'-GAGCATCTCCCTCACAATTT-3'	5'-GGGTGCAGCGAACTTTAT-3'