

ID	Sex	Age	Pathology
Donor 1	M	21	Knee trauma
Donor 2	M	47	Knee trauma
Donor 3	M	29	Knee trauma
Donor 4	F	65	Knee osteoarthritis
Donor 5	M	80	Knee osteoarthritis
Donor 6	F	64	Knee osteoarthritis
Donor 7	M	69	Knee osteoarthritis
Donor 8	M	87	Femoral condyl necrosis
Donor 9	F	28	Patellar dislocation
Donor 10	M	58	Degenerative focal lesion
Donor 11	F	60	Knee osteoarthritis
Donor 12	M	38	Osteochondrosis Dissecance
Donor 13	M	68	Knee osteoarthritis
Donor 14	M	63	Knee osteoarthritis
Donor 15	F	74	Knee osteoarthritis
Donor 16	M	82	Knee osteoarthritis
Donor 17	M	76	Ankle arthrosis
Donor 18	F	70	Ankle arthrosis
Donor 19	M	74	Ankle arthrosis
Donor 20	F	70	Knee osteoarthritis
Donor 21	M	73	Knee osteoarthritis
Donor 22	M	76	Knee osteoarthritis

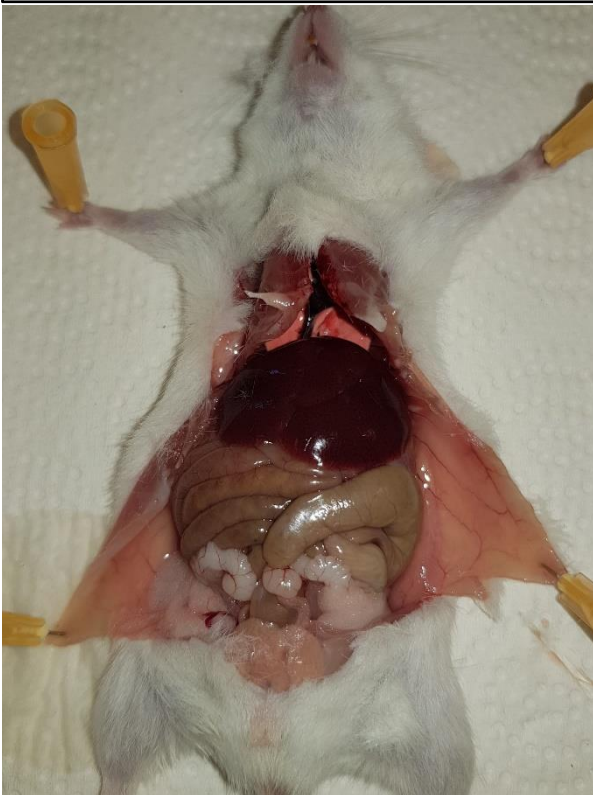
	Donor 16	Donor 7	Donor 10
CD73	99.7	99.8	99.6
CD90	93.2	99.7	99.7
CD105	89.2	92.9	90.7

Donor (CGH array)	Cell passage	Deletions	Duplications
Donor 2 (M, 47)	P3 & P11	nd	nd
Donor 3 (M, 29)	P4 & P8	nd	nd
Donor 4 (F, 65)	P4	nd	nd
Donor 5 (M, 80)	P4	Y loss	nd
Donor 6 (F, 64)	P5	nd	nd
Donor 7 (M, 69)	P5	nd	nd
Donor 10 (M, 58)	P4	nd	nd
Donor 12 (M, 38)	P4	nd	nd
Donor 13 (M, 68)	P5	Y loss	nd
Donor 14 (M, 63)	P3	Y loss	nd

Nd = not detected

Implant source	Cell passage	Mice implanted	Tumor (6 months)
Donor 2 (M, 47)	P3	10	0
Donor 3 (M, 29)	P6	10	0
Donor 11 (F, 60)	P3	10	0
Donor 12 (M, 38)	P6	14	0
Donor 15 (F, 74)	P4	10	0
A549 (adenocarcinoma)		8	100% (6 weeks)

Study mice at 6 months, normal skin and internal organs



Control mice at 6 weeks with internal organs damage (arrows show haemorrhaging)



Gene	Gene name	Nucleotide sequence		Size amplicon
<i>ACAN</i>	Aggrecan	Fwd	AAGTCGTGGTGAAAGGCATC	109 pb
		Rev	GCAATGATGGCACTGTTCTG	
<i>COL2A1</i>	Collagen type II alpha 1 chain	Fwd	CTGGAAAAGCTGGTGAAAGG	Size 105 pb
		Rev	GGCCTGGATAACCTCTGTGA	