

Volz et al.:

Completely defined co-culture of adipogenic differentiated ASCs and microvascular endothelial cells

Supplementary Data

Tab. S1: Lipid accumulation of diffASCs in mono-culture

Value of diffASCs immediately after differentiation (day 0) was set as 100%. Data are mean \pm SD.

	Def-Diff	ACM		CoM		ECM	
Day	0	7	14	7	14	7	14
Lipid accumulation	100 \pm 11.7	178 \pm 31.5	230 \pm 75.6	208 \pm 39.6	320 \pm 84.5	198 \pm 27.2	271 \pm 72.4

Tab. S2: Lipid accumulation, leptin release and glycerol release in indirect co-culture

Values of diffASCs immediately after differentiation (day 0) were set as 100%. Data are mean \pm SD.

	Def-Diff	ACM mono		ACM		CoM		ECM	
Day	0	7	14	7	14	7	14	7	14
Lipid accumulation	100 \pm 7.5	197 \pm 103.9	130 \pm 27.3	202 \pm 113.1	139 \pm 49.2	244 \pm 101.2	198 \pm 54.2	235.3 \pm 106.8	184 \pm 51.44
Leptin release	100 \pm 104.5	858 \pm 622.6	76 \pm 124.9	2286 \pm 3286.9	650 \pm 646.5	3766 \pm 2642.3	2195 \pm 1579.9	1990 \pm 1790.0	1211 \pm 928.3
Glycerol release	100 \pm 23.2	137 \pm 198.8	14.2 \pm 12.6	71 \pm 80.8	22 \pm 36.0	89 \pm 101.7	52 \pm 39.4	101 \pm 93.5	44 \pm 40.6

Tab. S3: Lipid accumulation, leptin release and glycerol release of diffASCs in direct co-culture

Value of diffASCs immediately after differentiation (day 0) was set as 100%. Data are mean \pm SD.

	Def-Diff	Mono		Co	
Day	0	7	14	7	14
Lipid accumulation	100 \pm 4.8	280 \pm 98.7	253 \pm 61.9	277 \pm 93.6	227 \pm 49.2
Leptin release	100 \pm 127.7	2179.8 \pm 1562.5	2540 \pm 1981.7	2114 \pm 1508.3	1603 \pm 2059.8
Glycerol release	100 \pm 9.1	148 \pm 47.5	235.8 \pm 79.1	229 \pm 78.1	229 \pm 89.3