

Table 1. Graft-loss in FT wounds treated with mSTSG and ASCS at Day 5.

Animal	Wound	Treatment	Grade
3	Right (cranial)	Polymer	0
	Right (caudal)	Control	2
	Left (cranial)	Control	1
	Left (caudal)	Polymer	1
4	Right (cranial)	Control	2
	Right (caudal)	Polymer	2
	Left (cranial)	Polymer	1.5
	Left (caudal)	Control	0.5

Supplementary Table 1. Primary dressing Treatment Groups in DPT and FT Injuries.

Animal	Wound	Treatment
1 and 3	Right (cranial)	Polymer
	Right (caudal)	Control
	Left (cranial)	Control
	Left (caudal)	Polymer
2 and 4	Right (cranial)	Control
	Right (caudal)	Polymer
	Left (cranial)	Polymer
	Left (caudal)	Control

Supplementary Table 2. Graft-loss grading scale.

Grade	Area lost	Topical wound care required	Surgery indicated
I	Minimal	-	-
II	<50%	+/-	-
III	<50%	+	+/-
IV	>50%	+	+

Supplementary Table 3. ASCS viability and cell counts for DPT wounds.

Animal Number	Assay	RES Viability (%)	Total Cell Count (cells/cm²)
1	Trypan Blue	39.66 ± 7.49	8.90E5 ± 1.16E5
	Fluorescent	31.36 ± 7.17	7.88E5 ± 1.43E5
2	Trypan Blue	49.00 ± 10.36	9.55E5 ± 1.45E5
	Fluorescent	55.48 ± 7.26	1.31E6 ± 2.31E5

Supplementary Table 4. ASCS viability and cell counts for FT wounds.

Animal Number	Assay	RES Viability (%)	Total Cell Count (cells/cm²)
3	Trypan Blue	74.71 ± 6.46	8.40E5 ± 1.80E5
	Fluorescent	49.19 ± 4.09	1.42E6 ± 2.30E5
4	Trypan Blue	81.44 ± 13.70	7.65E5 ± 2.19E5
	Fluorescent	72.42 ± 6.40	1.20E6 ± 2.64E5