

Table S1, SDC. Histological characteristics of autologous cryopreserved whole ovaries after micro-vascular transplantation of slow frozen or vitrified ovary:

Follicle count per ovary, mean±SD (range)		Slow freezing n=5	VM3 vitrification n=6	p value
Primordial follicles	Fresh right ovary	8164.2 ± 4300.4 (2469-11905)	5329.8 ± 1609.9 (2985-6944)	0.35
	Cryopreserved transplanted left ovary	0.2 ± 0.4 (0-1)	7.4 ± 16.6 (0-37)	0.88
Intermediate follicles	Fresh right ovary	2296.0 ± 1142.7 (754-3705)	1925.2 ± 650.1 (1152-2897)	0.60
	Cryopreserved transplanted left ovary	0.0 ± 0.0 (0-0)	1.8 ± 4.0 (0-9)	0.32
Primary follicles	Fresh right ovary	629.0 ± 460.1 (168-1355)	728.2 ± 526.4 (217-1555)	0.60
	Cryopreserved transplanted left ovary	1.1 ± 1.7 (0-5)	0.2 ± 0.5 (0-1)	0.13
Secondary follicles	Fresh right ovary	43.6 ± 22.1 (17-78)	66.6 ± 47.3 (22-134)	0.47
	Cryopreserved transplanted left ovary	0.4 ± 0.5 (0-1)	3.6 ± 4.0 (1-10)	0.03
Antral follicles	Fresh right ovary	14.4 ± 13.1 (3-30)	12.6 ± 12.8 (3-35)	1
	Cryopreserved transplanted left ovary	1.2 ± 1.8 (0-4)	2.2 ± 3.3 (0-8)	0.65
Atretic follicles	Fresh right ovary	170.4 ± 66.8 (86-232)	306.4 ± 131.6 (110-451)	0.758
	Cryopreserved transplanted left ovary	0.0 ± 0.0 (0-0)	0.0 ± 0.0 (0-0)	1
Corpus luteum	Fresh right ovary	0.2 ± 0.5 (0-1)	0.0 ± 0.0 (0-0)	0.31
	Cryopreserved transplanted left ovary	0.0 ± 0.0 (0-0)	0.0 ± 0.0 (0-0)	1
Whole follicles at any stage and corpus luteum	Fresh right ovary	11147.2 ± 5724.1 (3435-17073)	8062.4 ± 2252.1 (4730-10922)	0.46
	Cryopreserved transplanted left ovary	1.8 ± 1.8 (0-4)	17.0 ± 24.4 (1-60)	0.06