Table S1. Data extraction form

Characteristics of the study	
authors	
year of publication	
Characteristics of study design	
in vitro/in vivo	
experimental groups	
origin of ovarian tissue	
number and age of tissue donors	
method of ovarian tissue cryopreservation	
size of ovarian tissue fragments	
type and origin of stem cells	
cell line passage number	
ovarian tissue transplantation site	
recipient animal	
type of in vitro culture; culturing medium	
Outcomes	
Histological evaluation	tissue preparation and staining
	survival of ovarian follicles in total and survival of different stages of ovarian follicles; follicle density
	tissue changes (e.g. fibrosis, hyalinization)
Immunohistochemistry	angiogenesis markers (e.g. CD34, CD31, VEGF)
	apoptosis markers (e.g. AC-3)
	cellular proliferation markers (e.g. Ki67)
	oxidative stress markers (e.g. HIF1a, Nrf2, 80HdG)
TUNEL assay	follicle apoptosis rate
RT-PCR	mRNA expression of genes coding for angiogenesis-related growth factors (e.g. VEGF, ANGPT2, IGF1, FGF2)
	mRNA expression of genes related to Wnt/β-catenin signaling pathway
	mRNA expression of genes related to oxidative stress
Hormonal status	concentration of hormones (E2, anti-Mullerian, progesterone, FSH)
	time of resumption of the menstrual cycle in rats/mice