

Materials List for:

Analysis of Chromosome Segregation, Histone Acetylation, and Spindle Morphology in Horse Oocytes

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Materials

Name	Company	Catalog Number	Comments
ultrasound probe	Aloka	UST-5820-7,5	
human chorionic gonadotrophin	centravet	CHO004	1,500 unit/animal IV
detomidine	centravet	MED010	9 - 15 µg/kg IV
butylscopolamine bromure	centravet	EST001	0.2 mg/kg IV
stereomicroscope	NIKON	SMZ-2B	
butorphanol	centravet	DOL003	10µg/kg IV
benzyl-penicillin	centravet	DEP203 IM	15,000 UI/animal
TCM199	Sigma-Aldrich	M3769 10X1L	powder for hepes-buffered TCM199
Hepes sodium salt	Sigma-Aldrich	H3784-100G	
bovine serum albumin	Sigma-Aldrich	A8806	
heparin	Sigma-Aldrich	H3149-10KU	
NaHCO ₃ -buffered TCM199	Sigma-Aldrich	M2154-500ML	liquid for IVM medium
epidermal growth factor	Sigma-Aldrich	E4127	
newborn calf serum	Sigma-Aldrich	N4762-500ML	
4-well dishes	NUNCLON	144444	
incubator	Heraeus	BB6060	
monastrol	Sigma-Aldrich	M8515	
hyaluronidase	Sigma-Aldrich	H3506	
pronase	Sigma-Aldrich	P5147	
paraformaldehyde	Sigma-Aldrich	P6148	
polyvinyl alcohol	Sigma-Aldrich	341584	
triton-X 100	Sigma-Aldrich	T8787	
normal donkey serum	Sigma-Aldrich	D9663	
rabbit anti-Aurora B phospho-Thr232	BioLegend	636102	
TRITC-conjugated donkey anti-rabbit IgG	Vector Laboratories	711-025-152	
Vecta-Shield	Vector Laboratories	H-1000	
YOPRO1	Thermofisher Scientific	Y3603	

confocal laser scanning microscope	LSM 780	Zeiss	
confocal laser scanning microscope	LSM 700	Zeiss	
ImageJ software	rsb.info.nih.gov/ij/download.html	free resource	
mouse anti-alpha-tubulin	Sigma-Aldrich	T8203	
rabbit anti-acH4K16	Upstate Biotechnology	07-329	
AlexaFluor 488-coniugated donkey anti-mouse IgG	Life Technologies	A21202	
4',6-diamidino-2-phenylindole	Sigma-Aldrich	D8417	DAPI
centrifuge	Eppendorf	5417R	
RNALater	Invitrogen	AM7020	
Luciferase RNA	Promega	L4561	
PicoPure RNA Isolation Kit	Applied Biosystems	12204-01	
random hexamers	Thermofisher Scientific	N8080127	
mouse Moloney leukaemia virus reverse transcriptase	Thermofisher Scientific	28025013	
SYBR green supermix	BioRad	1708880	
specific primers	Sigma-Aldrich		specific primers were designed using Primer3Plus software (free resource)
thermal-cycler	BioRad	MyiQ	
mouse monoclonal anti-CENPA	Abcam	ab13939	
mouse monoclonal anti-Aurora B	Abcam	ab3609	