

Materials List for

Use of Bisection to Reduce Mitochondrial DNA in the Bovine Oocyte

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jove.com/video/64060

Materials

Name	Company	Catalog Number	Comments
1.5 mL centrifuge tubes	Fisher Scientific	5408129	
60 mm dish	Sigma-Aldrich	D8054	
Centrifuge	Eppendorf	5424	
Cytochalasin B	Sigma-Aldrich	C6762	
Fetal Bovine Serum	Sigma-Aldrich	F2442	
M199 Media	Sigma-Aldrich	M4530	
Mineral Oil	Sigma-Aldrich	M8410	
Mini Centrifuge	SCIOLOGEX	D1008	
mtDNA Primer: Forward (12S)			GGGCTACATTCTCTACACCAAG
mtDNA Primer: Reverse (12S)			GTGCTTCATGGCCTAATTCAAC
NanoDrop Spectrophotometer	Thermo Scientific	ND2000	
Ophthalmic Scalpel with Aluminum Handle	PFM Medical	207300633	Microblade for bisection
Protease/pronase	Sigma-Aldrich	P5147	
QIAamp DNA Micro Kit	Qiagen	56304	
QuantStudio™ 3 - 96-Well 0.2-mL	ThermoFisher	A28567	
Search plate	Fisher Scientific	FB0875711A	
SYBR Green qPCR Master Mix	ThermoFisher	K0221	qPCR master mix
Synthetic Oviductal Fluid with HEPES (HSOF)			
ThermoPlate	Tokai Hit	TPI-SMZSSX	Heating stage