

# Gene Expression Analyses in Human Follicles

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## Materials

Name	Company	Catalog Number	Comments
2 mm gridded Petri dish	Corning	430196	
2100 Bioanalyzer instrument	Agilent	G2939BA	
2100 Expert software	Agilent	version B.02.08.SI648	
4-wells plate	Sigma Aldrich	D6789	
6-wells plate	Carl Roth	EKX5.1	
Agilent total RNA 6000 pico kit	Agilent	5067-1513	
Ascorbic acid	Sigma Aldrich	A4403	
Aspirator tube assemblies for microcapillary pipettes	Sigma Aldrich	A5177	
Centrifuge	Eppendorf	5424R	
Collagenase IV	LifeTechnologies	17104-019	
DMSO	Sigma Aldrich	D2650	
DNase	Sigma Aldrich	D4527-10kU	
FBS	Gibco	10270-106	
GoScript reverse transcriptase	Promega	A5003	
HSA	CAF DCF	LC4403-41-080	
Leibovitz-15	LifeTechnologies	11415-049	
L-Glutamine	Sigma Aldrich	G7513	
McCoy's 5A + bicarbonate + Hepes	LifeTechnologies	12330-031	
McIlwain tissue chopper	Stoelting	51350	
Microcapillary RI EZ-Tips 200 µm	CooperSurgical	7-72-2200/1	
Microcapillary RI EZ-Tips 75 µm	CooperSurgical	7-72-2075/1	
NanoDrop 2000/2000c operating software	ThermoFisher	version 1.6	
NanoDrop spectrophotometer	ThermoFisher	2000/2000c	
Penicillin G	Sigma Aldrich	P3032	
PowerTrack SYBR green master mix	ThermoFisher	A46109	
Primers: <i>GDF9</i>			F: CCAGGTAACAGGAATCCTTC R: GGCTCCTTTATCATTAGATTG

Primers: <i>HPRT</i>			F: CCTGGCGTCGTGATTAGTGAT R: GAGCACACAGAGGGCTACAA
Primers: <i>Kit Ligand</i>			F: TGTTACTTTTCGTACATTGGCTGG R: AGTCCTGCTCCATGCAAGTT
Real-Time qPCR Quantstudio 3	ThermoFisher	A33779	
RNAqueous-micro total RNA isolation kit	ThermoFisher	AM1931	
Selenium	Sigma Aldrich	S9133	
Sodium pyruvate	Sigma Aldrich	S8636	
Stereomicroscope	Nikon	SMZ800	
Streptomycine sulfate	Sigma Aldrich	S1277	
Sucrose	Sigma Aldrich	S1888	
Thermo Scientific Forma Series II water-jacketed CO <sub>2</sub> incubators	ThermoFisher	3110	
Thomas Stadie-Riggs tissue slicer	Thomas Scientific	6727C10	
Transferrin	Roche	10652202001	