

Materials List for:

Isolation of Sertoli Cells and Peritubular Cells from Rat Testes

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Materials

Name	Company	Catalog Number	Comments
Actin (smooth muscle) antibody clone 1A4	Dako	M0851	Monoclonal mouse anti human antibody. Use 1:100 dilution for immunofluorescence.
Albumin bovine fraction V Standard grade, lyophilized	Serva	11930.04	Filter (0.45 µm) BSA solutions used for immunofluorescence.
Corning Cell Strainers 70 µm	Corning	431751	White color
Collagenase A from <i>Clostridium histolyticum</i>	Roche	10103586001	
DAPI mountant ProLong Gold Antifade	Life technologies	P-36931	
D-glucose	Sigma	G8644	100 g/L
Dulbecco's PBS without Ca ²⁺ /Mg ²⁺	Gibco	14190-094	
DNase I	Roche	10104159001	
Electron microscope	Zeiss	EM 109S	
Fluorescence microscope	Zeiss	Axioplan 2	
Hyaluronidase from bovine testis	Sigma	H3506	
Inverted light microscope	Olympus	CKX41	Routine cell culture microscope
Mouse IgG / IgM (H+L) polyclonal secondary Antibody	Life technologies	A-10684	Alexa Fluor 488 conjugate
Oil Red O	Sigma	O0625	Has replaced Sudan III and Sudan IV because of brighter color.
Paraformaldehyde	Sigma	P6148	
Penicillin (5,000 U/ml)/ Streptomycin (5,000 µg/ml)	Gibco	15070-063	100x solution
RPMI-1640	Gibco	21875-034	Contains 300 mg/L L-glutamine
Trypsin from porcine pancreas	Sigma	T5266	
Trypan Blue Stain (0.4%)	Gibco	15250-061	
Trypsin inhibitor from soybean	Sigma	T6522	The Sigma product is considerably cheaper than the previously used BPTI (Aprotinin) from Roche.
Vimentin antibody (V9)	Sigma	V6630	Monoclonal mouse anti pig vimentin antibody. Use 1:100 dilution for immunofluorescence.
Wistar WU rats	Charles River		Should be 19 days old on day of experiment.