

Materials List for:

Primary Culture of Rat Adrenocortical Cells and Assays of Steroidogenic Functions

Yung-Chia Chen^{1,2}, Bu-Miin Huang³

¹Graduate Institute of Medicine, College of Medicine, Kaohsiung Medical University

²Department of Anatomy, School of Medicine, Kaohsiung Medical University

³Department of Cell Biology and Anatomy, College of Medicine, National Cheng Kung University

Correspondence to: Yung-Chia Chen at yungchia@kmu.edu.tw

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Materials

Name	Company	Catalog Number	Comments
female/ male, SD/Wistar rats (8-12 wk)	BioLASCO		male or femal rats are suitable for experiments. Female's adrenal glands are larger than male rats, however, female rats own the oestrous cycles that may influence the experiments
collagenase, type II	Sigma	C-6885	isolation of adrenal cells
DMEM	ThermoFisher	12800-017	powder media for adrenal cells
Ham's F12	ThermoFisher	21700-075	powder media for adrenal cells
HEPES	JT.baker	4018	buffer (powder)
NaHCO3	JT.baker	3506-1	
Horse serum	Hyclone	16050014	
Fetal bovine serum	SAFC	12103C	
penicillin (10,000 U)-streptomycin (10,000 ug/ml)	Corning	30-002-CI	antibiotics
curved forceps	BRAUN	BD343R	
forceps	BRAUN	BD331R	
scissor	BRAUN	BC224R	cut rat skin and muscle
delicate scissor	BRAUN	BC101R	cut adrenal glands
adipose-differentiation related protein	Abcam	ab108323	antibody for lipid droplet associated protein
corticosterone ELISA kit	cayman	500655	assay for corticosterone synthesis
inverted light microscopy	Leica		
fluorescence microscope	Nikon		
Triton X-100	JT.baker	X198-07	for immunofluorescence staining
goat anti-rabbit IgG Alexa 488 Fluor secondary antibody	ThermoFisher	A-11034	for immunofluorescence staining
anti-ADFP	Abcam	108323	for immunofluorescence staining
ProLong Gold antifade mountant	ThermoFisher	P36935	for immunofluorescence staining