

Materials List for:

Establishment of an Extracellular Acidic pH Culture System

Ayano Kondo¹, Tsuyoshi Osawa²

¹Innovative Technology Laboratories, Kyowa Hakko Kirin Co., Ltd

²Laboratory for Systems Biology and Medicine, RCAST, The University of Tokyo

Correspondence to: Tsuyoshi Osawa at osawa@lsbm.org

URL: <https://www.jove.com/video/56660>

DOI: [doi:10.3791/56660](https://doi.org/10.3791/56660)

Materials

Name	Company	Catalog Number	Comments
Reagents			
Dulbecco's Modified Eagle Medium"Nissui" 2	Nissui	05919	
Fetal Bovine Serum	Thermo Fisher	10438	
NaHCO ₃	Wako	191-01305	
L-glutamine solution	Thermo Fisher	25030-081	
Penicillin-Streptomycin Mixed Solution(Stabilized)	Nacalai	09367-34	
0.5g/l-Trypsin/0.53mmol/l-EDTA Solution, with Phenol Red	Nacalai	32778-05	
0.5%-Trypan Blue Stain Solution	Nacalai	29853-34	
Lactic acid solution	Sigma-Aldrich	252476	
Hydrochloric acid solution	Sigma-Aldrich	H9892	
RNeasy Plus Mini Kit	QIAGEN	74134	
SuperScript IV First-Strand Synthesis System	Thermo Fisher	18091	
Power SYBR Green PCR Master Mix	Applied Biosystems	4368702	
Name	Company	Catalog Number	Comments
Cell lines			
PANC-1	ATCC	CRL-1469	
AsPC-1	ATCC	CRL-1682	
KMS-6	JCRB Cell Bank	JCRB0432	
TIG	JCRB Cell Bank		
MRC9	ATCC	CCL-212	
HUVEC	ATCC	CRL-1730	
Name	Company	Catalog Number	Comments
Equipment			
NanoDrop One Microvolume UV-Vis Spectrophotometer with Wi-Fi	Thermo Fisher	ND-ONE-W	
QuantStudio 5 Real-Time PCR System	Thermo Fisher	CRL-1682	