

Materials List for:

RNA-seq Analysis of Transcriptomes in Thrombin-treated and Control Human Pulmonary Microvascular Endothelial Cells

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Materials

Name	Company	Catalog Number	Comments
Human Lung Microvascular Endothelial Cells	Lonza	CC-2815	
Lonza, Bullet Kit	Lonza	CC-3202	Contains EGM-2, FBS, growth factors and antibiotics
Thrombin	Sigma	T4393	
Ambion <i>mirVana</i> Kit	Life Technologies	AM 1560	
RNase-Zap	Life Technologies	AM9782	
Experion StdSens RNA	Bio-Rad	700-7103	
TruSeq RNA Preparation Kit	Illumina	FC-122-1001	
AMPureXP Beads	Beckman Coulter	A63881	
Superscript Reverse Transcriptase II	Life Technologies	18064-014	
Experion DNA 1K	Bio-Rad	700-7107	
QuantiTect SyberGreen	Qiagen	204163	
PE Cluster Generation Kit	Illumina	PE-401-3001	
PhiX Control Kit	Illumina	FC110-301	
200 Cycle SBS Kit	Illumina	FC-401-3001	
HiScanSQ*	Illumina	SY-103-2001	
cBot	Illumina	SY-301-2002	
qPCR machine - Vii7	Life Technologies	Model #VIA7 / Equipment #10631261	Or equivalent
Experion System	Bio Rad	7007001	Bioanalyzer is an alternative system
Spectrophotometer	Bio-Tek	Epoch Microplate Spectrophotometer	Or equivalent
Centrifuge - Sorvall Legend XTR	Thermo Scientific	75004521	Or equivalent
Magnetic stand	Life Technologies	AM10027	
96-well thermocycler	General Lab Supplier		

Table 3. List of Key Reagents and Major Equipment. *, In the video, HiSeq1000 instead of HiScanSQ was demonstrated.