

A Quantitative Detection Method for MicroRNAs in the Kidney of an Ischemic Kidney Injury Mouse Model

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jove.com/video/61378

Materials

Name	Company	Catalog Number	Comments
Bent Tip Tapered Tweezers without Hook	Natsume Seisakusho	MA-47	
Buffer RLT	Qiagen	79216	wash buffer 1
Buffer RWT	Qiagen	1067933	wash buffer 2
C57B6 mice	SLC	not assign	
forcep with Teeth	Natsume Seisakusho	MA-49	
forcep without Teeth	Natsume Seisakusho	MA-48-1	
Hemostatic clips	Natsume Seisakusho	KN-353	
MicroAmp Optical 96 well reaction plate for qRT-PCR	Thermo Fisher Scientific	4316813	96-well reaction plate
MicroAmp Optical Adhesive Film	Thermo Fisher Scientific	4311971	adhesive film for 96-well reaction plate
miRNA-132-3p primer	Qiagen	MS00003458	5'UAACAGUCUACAGCCAUGGUCG
miRNA-17-5p primer	Qiagen	MS00029274	5'CAAAGUGCUUACAGUGCAGGUAG
miRNA-18a-5p primer	Qiagen	MS00031514	5'UAAGGUGCAUCUAGUGCAGAUAG
miRNA-212-3p primer	Qiagen	MS00003815	5'UAACAGUCUCCAGUCACGGCC
miRNA-21a-5p primer	Qiagen	MS00009079	5'UAGCUUAUCAGACUGAUGUUGA
miRNA-223-3p primer	Qiagen	MS00003871	5'UGUCAGUUUGUCAAUACCCCA
miRNA-574-5p primer	Qiagen	MS00043617	5'UGAGUGUGUGUGUGAGUGUGU
miRNeasy Mini kit	Qiagen	217004	silica-membrane based spin column
miScript II RT kit	Qiagen	218161	
miScript SYBR Green PCR kit	Qiagen	218073	
QIA shredder	Qiagen	79654	biopolymer-shredding system in a micro centrifuge spin-column
QIAzol Lysis Reagent	Qiagen	79306	phenol/guanidine-based lysis reagent
QuantStudio 12K Flex Real-Time PCR system	Thermo Fisher Scientific	4472380	real-time PCR instrument
QuantStudio 12K Flex Software version 1.2.1.	Thermo Fisher Scientific	4472380	real-time PCR instrument software
RNU6-2 primer	Qiagen	MS00033740	not disclosed

surgical scissors	Natsume Seisakusho	B-2	
Vascular clip applier	VITALITEC	1621420	