

Quantitative Real-Time Polymerase Chain Reaction Evaluation of MicroRNA Expression in Kidney and Serum of Mice with Age-Dependent Renal Impairment

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Materials

Name	Company	Catalog Number	Comments
1.0 mL spitz with heparin	Greiner-bio-one	450534	
Buffer RPE (wash buffer #2 containing guanidine and ethanol in ratio of 1:4)	Qiagen	79216	Wash buffer 2
Buffer RWT (wash buffer #1 containing guanidine and ethanol in ratio of 1:2)	Qiagen	1067933	Wash buffer 1
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-223-3p primer	Qiagen	MS00003871	5'-CGUGUAUUUGACAAGCUGAGUUG-3'
miRNA-423-5p primer	Qiagen	MS00012005	5'-UGAGGGGCGAGAGCGAGACUUU-3'
miRNA-7218-5p primer	Qiagen	MS00068067	5'-UGCAGGGUUUAGUGUAGAGGG-3'
miRNA-7219-5p primer	Qiagen	MS00068081	5'-UGUGUUAGAGCUCAGGGUUGAGA-3'
miRNeasy Mini kit	Qiagen	217004	Membrane anchored spin column in a 2.0 mL collection tube
miRNeasy Serum/Plasma kit	Qiagen	217184	Membrane anchored spin column in a 2.0 mL collection tube
miScript II RT kit (reverse transcription buffer)	Qiagen	218161	Reverse transcriptase kit
miScript SYBR Green PCR kit	Qiagen	218073	Green dye-based PCR kit
QIA shredder	Qiagen	79654	Biopolymer spin columns in a 2.0 mL collection tube

QIAzol Lysis Reagent (phenol/guanidine-based 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
RNase-free water	Qiagen	129112	
RNU6-2 primer	Qiagen	MS00033740	Not disclosed due to confidentiality
SAMP1 male mice	Nippon SLC Corporation	Not assigned	
SAMR1 male mice	Nippon SLC Corporation	Not assigned	
Takara biomasher standard	Takara Bio	9790B	Silicon homogenizer