

# Isolate Cell-Type-Specific RNAs from Snap-Frozen Heterogeneous Tissue Samples without Cell Sorting

 Huifei Sophia Zheng<sup>1</sup>, Chen-Che Jeff Huang<sup>1</sup>
<sup>1</sup>Department of Anatomy, Physiology and Pharmacology, College of Veterinary Medicine, Auburn University

## Corresponding Author

 Huifei Sophia Zheng  
 sophia.zheng@auburn.edu

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jove.com/video/63143

## Materials

Name	Company	Catalog Number	Comments
<i>Actb</i>	eurofins	qPCR primers	ATGGAGGGGAATACAGCCC / TTCTTTGCAGCTCCTTCGTT (forward primer/reverse primer)
Bioanalyzer	Agilent	2100 Bioanalyzer Instrument	
cOMplete Mini EDTA-free Protease Inhibitor Cocktail	Millipore	11836170001	
cycloheximide	Millipore	239764-100MG	
<i>Cyp11a1</i>	eurofins	qPCR primers	CTGCCTCCAGACTTCTTTTCG / TTCTTGAAGGGCAGCTTGTT (forward primer/reverse primer)
dNTP	Thermo Fisher Scientific	R0191	
DTT, Dithiothreitol	Thermo Fisher Scientific	P2325	
DynaMag-2 magnet	Thermo Fisher Scientific	12321D	
Falcon tubes 15 mL	VWR	89039-666	
GFP antibody	Abcam	ab290	
Glass grinder set	DWK Life Sciences	357542	
heparin	BEANTOWN CHEMICAL	139975-250MG	
<i>Hsd3b</i>	eurofins	qPCR primers	GACAGGAGCAGGAGGGTTTGTG / CACTGGGCATCCAGAATGTCTC (forward primer/reverse primer)
KCl	Biosciences	R005	
MgCl <sub>2</sub>	Biosciences	R004	
Microcentrifuge tubes 2 mL	Thermo Fisher Scientific	02-707-354	
Mouse Clariom S Assay microarrays	Thermo Fisher Scientific		Microarray service
NP-40	Millipore	492018-50 MI	
oligo (dT)20	Invitrogen	18418020	
PicoPure RNA Isolation Kit	Thermo Fisher Scientific	KIT0204	
Protein G Dynabead	Thermo Fisher Scientific	10003D	
RNase-free water	growcells	NUPW-0500	

RNaseOUT Recombinant Ribonuclease Inhibitor	Thermo Fisher Scientific	10777019	
<i>Sox9</i>	eurofins	qPCR primers	TGAAGAACGGACAAGCGGAG / CTGAGATTGCCAGAGTGCT (forward primer/reverse primer)
Superscript IV reverse transcriptase	Invitrogen	18090050	
SYBR Green PCR Master Mix	Thermo Fisher Scientific	4309155	
<i>Sycp3</i>	eurofins	qPCR primers	GAATGTGTTGCAGCAGTGGGA / GAACTGCTCGTGTATCTGTTTGA (forward primer/reverse primer)
Tris	Alfa Aesar	J62848	