

RNA isolation

Special considerations for isolation of RNA from different sample sources





Challenges

- lower concentration and rapid degradation of RNA by repeated freeze-thaw cycles
- high amount of RNases and inhibitors interfering with downstream assays



Considerations

use dedicated isolation protocols to maximize yield while avoiding degradation or inhibition

Recommended Kits

miRNeasy Serum/Plasma Advanced Kit exoRNeasy Serum/Plasma Maxi Kit

With phenol-free isolation of miRNAs from serum/ plasma; easy isolation of exosomal RNA and miRNA without ultracentrifugation

Removal of genomic DNA contamination from RNA





Solutions

RNeasy Plus Kits: gDNA Eliminator columns and solution

RNase-Free DNase Set Organic extraction:

QIAzol Lysis Reagent

DNase Max Kit: enzyme-resin combination

Heat inactivation

QuantiTect Reverse Transcription Kit: gDNA Wipeout Buffer

QuantiNova Reverse Transcription Kit: gDNA Removal Mix gDNA-free RNA ready for any downstream application

Find a selection of RNA isolation technologies for any sample type at www.qiagen.com/SelectRNA.

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