

Jul 31, 2020

MirVana RNA

 [Nature Communications](#)

DOI

dx.doi.org/10.17504/protocols.io.bi8ykhxw

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DOI: <https://dx.doi.org/10.17504/protocols.io.bi8ykhxw>

External link: <https://doi.org/10.1038/s41467-022-32397-8>

Document Citation: John E Gorzynski 2020. MirVana RNA. **protocols.io** <https://dx.doi.org/10.17504/protocols.io.bi8ykhxw>

Manuscript citation:

Parikh, V.N., Ioannidis, A.G., Jimenez-Morales, D. *et al.* Deconvoluting complex correlates of COVID-19 severity with a multi-omic pandemic tracking strategy. *Nat Commun* **13**, 5107 (2022). <https://doi.org/10.1038/s41467-022-32397-8>

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Created: July 31, 2020

Last Modified: July 31, 2020

Document Integer ID: 39928

Keywords: rna

Troubleshooting



mirVana protocol-- nasal swabs in VTM and DNA RNA ShieldDate _____

Preheat Nuclease Free water to 95C for elution

4X sets of labeled tubes (2X from the 2ml tubes provided in the kit and an additional 2X 1.5ml eppendorf tubes)

1. To **200ul** of sample add **300ul**Lysis/Binding Buffer and Vortex

2. Add **50ul**miRNA Homogenate Additive

(Hint-- Make a Master Mix of Lysis/binding Buffer and Homogenate additive)

1. Incubate on ice **10** min

2. Add **500ul**Acid-Phenol:Chloroform TAKE FROM THE BOTTOM LAYER(in the hood) Vortex for 30-60 sec

3. Centrifuge **10,000** rcf (g) for **5** min at RT

4. Remove the aqueous (upper) layer and put in a new tube (note the volume)

5. Add **1.25 volumes**100% EtOH (RT), apply to filter column with supplied tube

6. Centrifuge **10,000** rcf for **15-30** sec

7. Discard flowthrough and add **700ul** miRNA Wash Solution 1

8. Centrifuge **10,000** rcf for **15** sec

9. Discard flowthrough and add **500ul**Wash Solution 2

10. Centrifuge **10,000** rcf for **15** sec

11. Repeat step 11-12

12. Add **30ul** 95C Nuclease Free water on filter

13. Centrifuge **10,000** rcf for **30** sec into a supplied tube

14. Put 15ul of each sample in a labeled PCR well of a pcr tube strip and freeze at -80C