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# © Capture and concentration of SARS-CoV-2 and other respiratory viruses from VTM / UTM samples using Magnetic Nanotrap® particles for direct RNA extraction

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1 Works for me This protocol is published without a DOI.

Coronavirus Method Development Community Nanotrap Applications



### ABSTRACT

This protocol provides a method for Magnetic Nanotrap® particle-based capture and concentration of viruses from Viral transport media and Universal transport media samples.

### PROTOCOL CITATION

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https://protocols.io/view/capture-and-concentration-of-sars-cov-2-and-other-bh2rj8d6

### **KEYWORDS**

virus, capture, extraction, concentration, VTM, UTM, Nanotrap, viral, Nanoscience, Ceres, SARS-CoV-2, COVID-19

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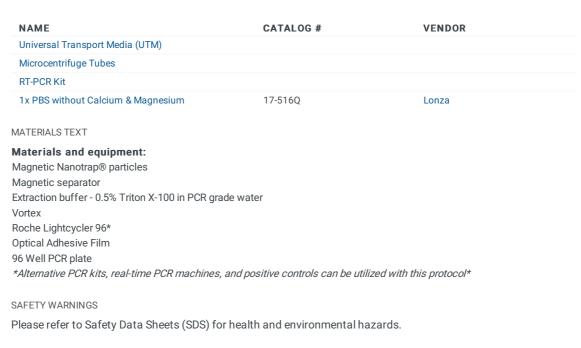
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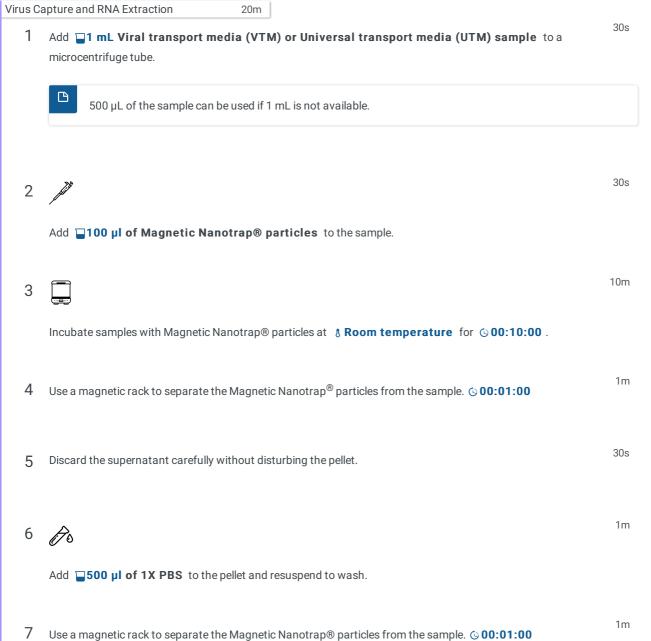
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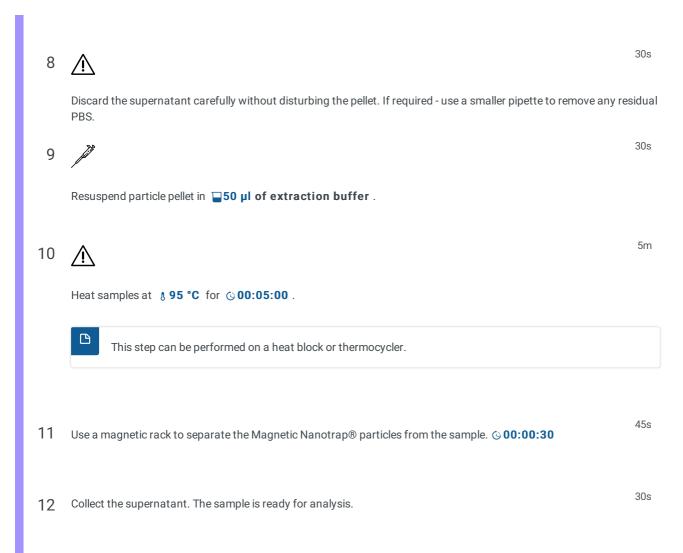
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# MATERIALS

NAME	CATALOG #	VENDOR
Triton(R) X-100 100ml	H5142	Promega
DynaMag™-2 Magnet	12321D	Life Technologies
MicroAmp™ Optical 96-Well Reaction Plate with Barcode & Optical Adhesive Films	4314320	Thermo Fisher
RT-PCR Grade Water	AM9935	Thermo Fisher
Mini Vortex Mixer	M10101001	
Nanotrap Magnetic Virus Particles (10)	44202	Ceres Nano
Viral Transport Media (VTM)		







RT-PCR Reaction

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 $\ \, \text{Use any SARS-CoV-2 RT-PCR detection kit. Follow manufacturer instructions to set up the RT-PCR detection kit.} \\$