

PRIMARY WASTEWATER SLUDGE SAMPLE SHARING

Please e-mail completed forms to mengstro@asu.edu

In order to expedite protocol validation and increase access to wastewater sludge samples, the NSF Research Coordination Network ("RCN") on Wastewater Surveillance for SARS-CoV-2 is offering **primary wastewater sludge samples to interested research groups.**

Purpose:

- To increase access to wastewater sludge samples among labs working on SARS-CoV-2 wastewater surveillance
- To expedite method development & optimization by use of samples with known value

Sample description:

Interested labs will be provided with a ~40mL primary sludge sample ("Material") that was generated as follows: A single sludge sample from a primary clarifier at an anonymous wastewater treatment plant was collected and shipped overnight on ice to Arizona State University. The sample was then homogenized, aliquoted into ~40mL volumes, and stored at -20 °C. SARS-CoV-2 RNA concentrations were measured in the original solids sample and frozen stored aliquots. You will be provided with this data in order to benchmark your sample processing.

Sample request process:

To request samples, please fill in the below information and email this form to the email address provided above. You will then be contacted by a member of the RCN Steering Committee to process your request. While we aim to fill as many requests as possible, a limited number of samples and funds are available to fill requests. Therefore, requests for samples will be evaluated on a first-come first-served basis.

Labs requesting samples will be provided with a description of the methods used and previously detected SARS-CoV-2 concentrations of the sample they receive. Note that samples will be provided & shipped free of charge, but labs must already have funds available for sample processing & analysis. We also expect that labs will report back their own concentration measurements in the provided samples to the RCN for inter-lab comparisons. Data should be reported back within 1 month of sample receipt, and a template spreadsheet will be provided for this purpose. Labs providing their data will be credited in any products generated from this analysis. If labs are not able to detect SARS-CoV-2 within the expected range, the RCN steering committee will consult with the labs to provide suggestions for method improvement.

PRIMARY WASTEWATER SLUDGE SAMPLE REQUEST FORM ("SRF")

Please e-mail completed forms to mengstro@asu.edu

The form will be reviewed by the NSF RCN Steering Committee

Samples are provided by the ASU Human Health Observatory sample repository

Date		
Lead investigator contact		
info	Last name	
	First name	
	Email address	
	Title	
	Institution	
		•
Primary laboratory contact		
& shipping info		_
The address and	Last name	
contact information provided here will be	First name]
	Email address	
used for sample	Title	
shipping. Please	Institution	
verify that information	Complete Mailing	
is complete and	Address	
accurate.		
	Telephone #	
		•
Location		
Where will samples		
be analyzed?		
·		
Duint description of		
Brief description of research		
1-2 sentences that		
may be shared on the		
NSF RCN webpage		
or other materials		
ı		

Research background &		
rationale for sample		
request		
Relevant background		
and justification for		
the wastewater		
SARS-CoV-2 analysis		
being performed in		
your laboratory.		
Please also describe		
why RCN sludge		
samples are needed		
and methods to be		
used.		
How many sample aliquots		
would you like to receive?		
Our ability to provide	□ 2	
more than one aliquot		
will depend on		
available supply and		
the overall number of		
requests.		
Discourse of the fellowing		
Please verify the following:		
☐Samples should serve for m	nethod validation only and should not be used for further commercial purposes	
or resale.	iothod validation only and onodia not be assed for farther commission purposes	
or resale.		
☐ Samples will be shipped from Arizona State University. Sample recipient understands that it is his/her		
responsibility to track the shipment using the provided tracking information and promptly store samples upon		
their arrival.		
thon arrival.		
☐ Sample recipient has appropriate biosafety approval from his/her institution to work with primary		
wastewater sludge samples and can provide the approval date and documentation to the RCN as requested.		
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☐ Sample recipient has appropriate funding already secured to analyze the provided sample(s).		

☐ Sample recipient will share the results of RCN sample testing with the RCN steering committee and will acknowledge the RCN in any publications resulting from these samples. ☐ THE MATERIAL IS BEING PROVIDED WITHOUT WARRANTY, REPRESENTATION OR GUARANTEE OF ANY SORT, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY WARRANTY OF FREEDOM FROM INFRINGEMENT OF ANY PATENT OR OTHER INTELLECTUAL PROPERTY RIGHTS OF THIRD PARTIES. RCN IS TRANSFERRING THE MATERIALS, INFORMATION, ON AN "AS IS" BASIS. NEITHER RCN, ASU, AZTE, ABOR, ASU ENTERPRISE PARTNERS, THE STATE OF ARIZONA NOR THEIR REGENTS, FELLOWS, OFFICERS, EMPLOYEES, STUDENTS OR AGENTS (INDIVIDUALLY "ASU PARTY" AND COLLECTIVELY "ASU PARTIES"), MAKE ANY WARRANTIES EITHER EXPRESS OR IMPLIED OF ANY KIND, AND HEREBY EXPRESSLY DISCLAIMS ANY WARRANTIES, REPRESENTATIONS OR GUARANTEES OF ANY KIND AS TO THE MATERIALS, TECHNICAL INFORMATION, PRODUCTS AND/OR ANYTHING DISCOVERED, DEVELOPED, MANUFACTURED, USED, SOLD, OFFERED FOR SALE, IMPORTED, EXPORTED, DISTRIBUTED, RENTED, LEASED OR OTHERWISE DISPOSED OF UNDER ANY MATERIALS TRANSFERRED HEREUNDER, INCLUDING BUT NOT LIMITED TO: ANY WARRANTIES OF MERCHANTABILITY. TITLE. FITNESS, ADEQUACY OR SUITABILITY FOR A PARTICULAR PURPOSE, USE OR RESULT; ANY WARRANTIES AS TO THE VALIDITY, ENFORCEABILITY, SCOPE OR BREADTH OF ANY MATERIAL; ANY WARRANTIES RELATED TO THE PREPARATION, FILING, PROSECUTION, AND MAINTENANCE OF ANY PATENT, AND ANY WARRANTIES OF FREEDOM FROM INFRINGEMENT OF ANY DOMESTIC OR FOREIGN PATENTS, COPYRIGHTS, TRADE SECRETS OR OTHER PROPRIETARY RIGHTS OF ANY PARTY. Recipient has not relied on any oral or written statements or any other materials provided by the ASU Parties (including, without limitation, any researchers or faculty members) in connection with this SRF and Recipient affirms that the decision to enter into this SRF is based solely on Recipient's independent due diligence. In no event shall the ASU Parties have any liability to Recipient, Designees, or Affiliates of the foregoing, or any Third Party arising out of the use, operation or application of the Technical Information, Materials, Products, or anything discovered, developed, manufactured, used, sold, offered for sale, imported, exported, distributed, rented, leased or otherwise disposed of under any material transferred hereunder by Recipient, Designees or Affiliates of the foregoing, or any Third Party for any reason, including but not limited to, the unmerchantability, inadequacy or unsuitability of the Materials, Technical Information, Products and/or anything discovered, developed, manufactured, used, sold, offered for sale, imported, exported, distributed, rented, leased or otherwise disposed of under any license granted hereunder for any particular purpose or to produce any particular result, or for any latent defects therein. In no event will the ASU Parties be liable to the Recipient, Designees or Affiliates of the foregoing, or any Third Party, for any consequential, incidental, special or indirect damages (including, but not limited to, from any destruction to property or from any loss of use, revenue, profit, time or goodwill) based on activity arising out of or related to this SRF, whether pursuant to a claim for breach of contract or any other claim of any type. In no event shall the ASU Parties' liability to Recipient exceed one thousand dollars(\$1,000) under this SRF. The parties hereto acknowledge that the limitations and exclusions of liability and disclaimers of warranty set forth in this SRF form an essential basis of the bargain between the parties and are reasonable under the circumstances. Recipient will use the Material in compliance with all laws and governmental regulations and guidelines applicable to the Material.