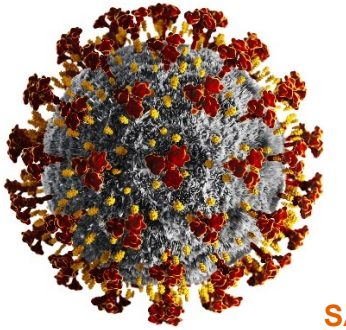
MACHEREY-NAGEL´s latest references for Covid-19 and viral nucleic acid isolation from wastewater samples



SARS-CoV-2 related publications from wastewater

Featured Product	Application	Author	Article	Year	Journal
NucleoSpin® RNA Virus Part 1	Viral RNA isolation from wastewater	Mousazadeh et al.	Wastewater Based Epidemiology Perspective as a Faster Protocol for Detecting Coronavirus RNA in Human Populations: A Review with Specific Reference to SARS-CoV-2 Virus	2021	pathogens
	Viral RNA isolation from wastewater	Sapula et al.	An optimized and robust PEG precipitation method for detection of SARS-CoV-2 in wastewater	2021	Science of the Total Environment
	Viral RNA isolation from wastewater	Colosi et al.	Development of Wastewater Pooled Surveillance of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) from Congregate Living Settings	2021	Applied and Environmental Microbiology
	Viral RNA isolation from wastewater	Davo et al.	Early detection of SARS-CoV-2 infection cases or outbreaks at nursing homes by targeted wastewater tracking	2021	Clinical Microbiology of Infection
	Viral RNA isolation from wastewater	Perez-Cataluna et al.	Comparing analytical methods to detect SARS-CoV-2 in wastewater	2021	Science of the Total Environment
	Viral RNA isolation from wastewater	Srivastava et al.	Reflections of COVID-19 cases in the wastewater loading of SARS-CoV-2 RNA: A case of three major cities of Gujarat, India	2021	Case Studies in chemical and Environmaltal Engineering
	Viral RNA isolation from wastewater	Kumar et al.	Wastewater surveillance-based city zonation for effective COVID-19 pandemic preparedness powered by early warning: A perspectives of temporal variations in SARS-CoV-2-RNA in Ahmedabad, India	2021	Science of the total environment
	Viral RNA isolation from wastewater	Wilder et al.	Co-quantification of crAssphage increases confidence in wastewater-based epidemiology for SARS-CoV-2 in low prevalence areas	2021	Water Research X
	Viral RNA isolation from wastewater	Kumar et al.	First comparison of conventional activated sludge versus root-zone treatment for SARS-CoV-2 RNA removal from wastewaters: Statistical and temporal significance	2021	Chemical Engineering Journal
	Viral RNA isolation from wastewater	Srivastava et al.	Comparative analysis of SARS-CoV-2 RNA load in wastewater from three different cities of Gujarat, India	2021	MedRxiv
	Viral RNA isolation from wastewater	Hata et al.	Detection of SARS-CoV-2 in wastewater in Japan during a COVID-19 outbreak	2021	Science of the total environment
	Viral RNA isolation from wastewater	Kolarevic et al.	Detection of SARS-CoV-2 RNA in the Danube River in Serbia associated with the discharge of untreated wastewaters	2021	Science of the total environment
	Viral RNA isolation from wastewater	Polo et al.	Detection of SARS-CoV-2 RNA in bivalve mollusks and marine sediments	2021	Science of the total environment

	Viral RNA isolation from wastewater	Kumar et al.	Unravelling the early warning capability of wastewater surveillance for COVID-19: A temporal study on SARS-CoV-2 RNA detection and need for the escalation	2021	Environmental Research
	Viral RNA isolation from wastewater	Yaniv et al.	City-level SARS-CoV-2 sewage surveillance	2020	MedRxiv
	Viral RNA isolation from wastewater	Fernandez-de-Mera et al	Detection of environmental SARS-CoV-2 RNA in a high prevalence setting in Spain	2021	Transboundary and Emerging Diseases
	Viral RNA isolation from wastewater	Carcerny et al.	Monitoring emergence of SARS-CoV-2 B.1.1.7 Variant through the Spanish National SARS-CoV-2 Wastewater Surveillance System (VATar COVID-19) from December 2020 to March 2021	2021	MedRxiv
	Viral RNA isolation from wastewater	Alygizakis et al	Analytical methodologies for the detection of SARS-CoV-2 in wastewater: Protocols and future perspectives	2020	TrAC Trends in Analytical Chemistry
	Viral RNA isolation from wastewater	Cuevas-Ferrando et al.	Recovering coronavirus from large volumes of water	2020	Science of the total environment
		Kumar et al.	Decay of SARS-CoV-2 RNA along the wastewater treatment outfitted with Upflow Anaerobic Sludge Blanket (UASB) system evaluated through two sample concentration techniques	2021	Science of the total Environment
	Viral RNA isolation from wastewater	Ali et al.	Tracking SARS-CoV-2 RNA through the wastewater treatment process	2020	MedRxiv
	Viral RNA isolation from wastewater	Patel et al.	Coronavirus (SARS-CoV-2) in the environment: Occurrence, persistence, analysis in aquatic systems and possible management	2020	Science of the total environment
NucleoSpin RNA Virus Part 2	Viral RNA isolation from wastewater	Colosi et al.	Development of wastewater pooled surveillance of SARS-CoV-2 from congregate living settings	2020	MedRxiv
	Viral RNA isolation from wastewater	Westhaus et al.	Detection of SARS-CoV-2 in raw and treated wastewater in Germany- suitable for COVID-19 surveillance and potential transmission risk	2020	Science of the Total Environment
	Viral RNA isolation from wastewater	Randazzo et al.	SARS-CoV-2 RNA in wastewater anticipated COVID-19 occurrence in a low prevalence area	2020	Water Research
	Viral RNA isolation from wastewater	Kumar et al.	First proof of the capability of wastewater surveillance for COVID-19 in India through detection of genetic material of SARS-CoV-2	2020	Science of the Total Environment
	Viral RNA isolation from wastewater	Trottier et al.	Post-lockdown detection of SARS-CoV-2 RNA in the wastewater of Montpellier, France	2020	One Health

Technical support

For further information on the use of MACHEREY-NAGEL kits with environmental samples get in touch with our technical support team tech-bio@mn-net.com.
Thank you for your interest in MACHEREY-NAGEL products!

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