Sewage research related to COVID-19

What happens in the RIVM laboratory before the sewage measurements are updated on the Coronavirus Dashboard?







1

Samples of untreated sewage

taken from all the sewage treatment plants in the Netherlands (over 300 in total).



Refrigerated transport to RIVM



Arrival and short-term storage



6

PCR

Sequencing

Detection of coronavirus particles.

Additional research to distinguish

between SARS-CoV-2 variants.



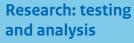
5

RNA extraction

Selection of the genetic material.



Preparations



Part of the sewage is used to start testing and analysis for COVID-19 research.



Bio-banking

Sample storage for additional research.





Data analysis and modelling

Correction for daily sewage volume (flow). Conversion per 100,000 inhabitants.





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Coronavirus Dashboard

The sewage measurements are posted online on the Coronavirus Dashboard.

