



BBMRI.at Partner's Sample Collection Profile "COVID-19 Convalescent Cohort"

The "COVID-19 Convalescent Cohort" is a sample collection at <u>Biobank Graz (Med Uni Graz)</u> which is based on a prospective sample cohort for current research on SARS-CoV-2.

Biobank Graz recruited participants (from Austria) who had recovered from COVID-19 and grouped them into two sub cohorts (see profile table). Volunteers were invited to fill in a questionnaire and donate various types of samples at different time points (see study design and table).

This cohort serves for:

- the development and validation of new antibody tests and neutralization assays
- the investigation of antibody titres over time
- a better characterization of the course of COVID-19
- the identification of diagnostic or prognostic biomarkers

Study design:

Participants are invited five times, i.e. 1 st visit (time point 0), 2nd visit (after 1 month), 3rd visit (after 2 months), 4th visit (after 5 months), 5th visit (after 12 months), where the samples are collected. At the 1st visit, donors also fill in a questionnaire concerning symptoms, comorbidities, pre-history and lifestyle.

Disease Area	COVID-19 recovered patients, SARS-CoV-2, PCR test, antibody test	View this and other cohorts from Biobank Graz in the
Research Area		BBMRI-ERIC Directory >>
Sample Types	serum, EDTA buffy coat, EDTA plasma, lithium heparin plasma, sodium citrate	
	plasma, saliva and nasopharyngeal swabs (stored at -80 °C)	View this cohort at Biobank Graz website >>
Cohort Size	23.739 aliquots from 364 participants as of March 10 th	
Donors	volunteers who recovered from COVID-19	
	 Sub cohort I: Persons who were officially tested positive for an infection by PCR test with the SARS-CoV-2 virus, showed symptoms of COVID-19 and recovered. (342 participants) 	
	Sub cohort II: (22 participants)	
	 Persons who lived together or got in contact with a person officially tested positive by PCR test for SARS-CoV-2 and showed symptoms of COVID-19 disease within 14 days, but were not tested themselves, and recovered. Persons who showed leading COVID-19 symptoms (fever, dry cough, loss of smell or taste, diarrhoea, fatigue) since December 2019, but were not tested themselves, independent of whether they had contact to a person positive tested for SARS-CoV-2, 	
	and recovered.	
Associated		
Data	Data concerning symptoms, comorbidities, prehistory and lifestyle are collected via questionnaire	
	PCR tests and antibody tests are performed	
Informed Consent	Broad Biobank IC (view template de>>; view template en>>), sStudy specific IC	
Access	As of now	
Quality	Quality management: ISO 9001:2015 (SOPs)	
Standards	CEN/TS 16945:2016 (metabolomics in urine, venous blood serum and plasma)	



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Funded by GZ 10.470/0016-II/3/2013 (2013-2018) BMBWF-10.470/0010-V/3c/2018 (2018-2023) Login