

BBMRI.at Partner's Sample Collection Profile

"BioPersMed cohort":

an outstanding interdisciplinary sample collection at Biobank Graz

"BioPersMed" stands for **"Biomarkers for Personalised Medicine in Common Metabolic Disorders.**

This prospectively collected cohort comprises a huge number of samples and data being collected and used since 2010 (still ongoing). Aim is to detect and define specific characteristics and personalized biomarkers of patients at risk for cardiovascular and metabolic diseases and to follow them for future developments.

The "BioPersMed Cohort" includes the research areas endocrinology & metabolism and cardiology. Diabetes, fatty liver disease, osteoporosis or cardiovascular diseases are only some of the topics in the focus of this cohort.

The samples meet the requirements of the sample quality standards "CEN/TC 140 Molecular in vitro diagnostic examinations - Specifications for preexamination processes (CEN/TS) for metabolomics in urine, venous blood serum and plasma" (CEN/TS 16945:2016) that were published by the European Committee for Standardization (CEN). [More about sample types and quality in the BBMRI Directory >>](#)



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 (provided by Medical University of Graz)

Profile of the BioPersMed Cohort:

Disease Area	Diabetes, fatty liver disease, osteoporosis, cardiovascular diseases.
Research Area	Biomarker, endocrinology, metabolism, cardiology;
Sample Types	Plasma (EDTA, Lithium Heparin, Sodium Citrate), serum, buffy coat urine, 24h urine of healthy and diseased patients
Cohort Size	<ul style="list-style-type: none"> • 1,024 probands (in 4 follow-up visits): healthy and diseased • >220,000 aliquots (as per March 2018) • collection ongoing
Donors	<ul style="list-style-type: none"> • Healthy and diseased, • Age: adults 35+ years; • Gender: 50/50 female/male
Associated Data	Clinical records/diagnosis, smoking and lifestyle anamnesis, follow-up laboratory results, follow-up clinical data view detailed phenotyping description (abstract) >>
Informed Consent	Broad Biobank IC (view template >>) & specific study IC
Access	Cooperation only
Quality Standards	<ul style="list-style-type: none"> • Sample quality: CEN/TS 16945:2016 - Molecular in vitro diagnostic examinations. Specifications for pre-examination processes for metabolomics in urine, venous blood serum and plasma • Quality management: ISO 9001:2015 (SOPs)
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[More details about the BioPersMed Cohort >>](#)

[View BioPersMed cohort profile form of Biobank Graz>>](#)

