

BBMRI.QM SERVICE

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www.bbmri-eric.eu/services/quality-management/

on behalf of European technical experts of the BBMRI-ERIC QM Working Groups

BBMRI.QM TOOLS

BBMRI-ERIC QUALITY MANAGEMENT SERVICE (BBMRI.QM) supports biobanks and researchers to meet the highest quality

EXPERTS & RESEARCHERS WORKING GROUPS

key results include biobank-relevant Self-Assessment Surveys based on international standards

BBMRI-ERIC SELF-ASSESSMENT SURVEYS (BBMRI-ERIC SAS) foundation to implement quality requirements and assess quality performance

ENHANCE Q-VISIBILITY OF BIOBANKS AND/OR COLLECTIONS

assessed according to relevant standards by BBMRI-ERIC, marked in the BBMRI-ERIC Directory with the respective Quality label (Fig. 1). This process (Fig. 2) is ensured in a peer review audit and will reflect harmonised and standardised processes in biobanks

- Frozen tissue– Isolated RNA (ISO 20184-1:2018)
- Frozen tissue– Isolated proteins (ISO 20184-2:2018)
- FFPE tissue – Isolated RNA (ISO 20166-1:2018)
- FFPE tissue – Isolated proteins (ISO 20166-2:2018)
- FFPE tissue – Isolated DNA (ISO 20166-3:2018)
- Venous whole blood – Isolated cellular RNA (ISO 20186-1:2019)
- Venous whole blood – Isolated genomic DNA (ISO 20186-2:2019)
- Venous whole blood – Isolated circ. cell-free DNA from plasma (ISO 20186-3:2019)
- Metabolomics in urine, serum and plasma (CEN/TS 16945:2016)
- Quality Management Systems / General requirements for biobanking



Collection	Type	Materials	Standards	#Samples
Auria Biobank Collection types: Cross-sectional, Longitudinal, Population-based Juridical person: Hospital District of Southwest Finland				
Auria Bio-19 Plasma sample	Cross-sectional, Longitudinal, Population-based	DNA, Plasma	CEN/TS 16835-2:2015 ✓	20000
Bank of Biological Material, Masaryk Memorial Cancer Institute Collection types: Hospital, Sample collection Juridical person: Masaryk Memorial Cancer Institute				
Long Term Storage Collection	Hospital, Sample collection	DNA, Other, Serum, Whole Blood, Tissue (Frozen)		10.000 - 100.000
Subcollection	Type	Materials	Standards	#Samples
Genomic DNA in Long Term Storage Collection	Hospital, Sample collection	DNA	CEN/TS 16835-2:2015 ✓	5422
Biobank Graz Collection types: Cohort, Longitudinal, Population-based, Disease specific Juridical person: Medical University of Graz				
BioPersMed Cohort	Cohort, Longitudinal, Population-based, Disease specific	Serum, Urine, Plasma, Other	CEN/TS 16945:2016 ✓	234158
EMPH study	Population-based, Disease specific	Serum, Urine, Plasma, Other	CEN/TS 16945:2016 ✓	8387
Healthy Aging Study	Cohort, Population-based	Serum, Urine, Plasma, Other	CEN/TS 16945:2016 ✓	5457
InterAct Study	Cohort, Population-based	Serum, Urine, Plasma	CEN/TS 16945:2016 ✓	3848
KWII Collection	Cohort, Disease specific	Serum, Other	CEN/TS 16945:2016 ✓	37410
Genome Database of Latvian Population Collection types: Disease specific, Population-based Juridical person: Latvian Biomedical Research and Study centre				
Genome Database of Latvian Population	Disease specific, Population-based	DNA, Plasma, Serum		32504
Subcollection	Type	Materials	Standards	#Samples
Endocrinology collection (D17-2018)	Disease specific	DNA, Plasma, Serum	CEN/TS 16835-2:2015 ✓	660
Type Two Diabetes follow-up cohort	Disease specific	DNA, Plasma, Serum	CEN/TS 16835-2:2015 ✓	241

Figure 1

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KNOWLEDGE HUB

Building up Quality Management Systems (QMS) according to international standards

- ISO 20387:2018 General requirements for biobanking
- ISO 9001:2015 General requirements for QM Systems
- Technical Specifications for sample handling processes
- And others, relevant for biobanking and performing research on biobanked samples



TRAINING & SUPPORT

Improving QMS within the European Network, offering tailor-made services

- In-house and online training of international standards
- Webinars, workshops, master's, summer schools
- Consulting on how to combine and integrate different Management Systems
- And others, relevant for biobanking and performing research on biobanked samples



AUDITING

Reviewing Biobank QMS and Sample Quality, a service provided on request

- Remote audit for BBMRI-ERIC SAS – Sample collections
- Onsite visit / Audit on request – Biobank
- QMS audits, guidance and consultancy
- BBMRI-ERIC Quality Label
- And more

ACCESS TO BBMRI-ERIC SAS

- **GO TO**
bbmri-eric.eu/services/self-assessment-survey/
- **FILL OUT**
Request form / tick off pre-conditions / send
- **GET STARTED**
Receive @ with the link to SAS

EVALUATION OF SPECIFICATIONS

- **COMPLETION**
of BBMRI-ERIC SAS
- **SUBMIT REPORT**
to BBMRI-ERIC
- **BE REVIEWED**
by BBMRI-ERIC (remote or on-site)

AWARD Q-LABEL IN BBMRI-ERIC DIRECTORY

- **SAMPLE COLLECTION**
Assessed according to relevant standards
- **BIOBANK**
Internal audit based on ISO 20387 and ISO 9001
- **ENHANCE VISIBILITY**
Q-Label in the Directory directory.bbmri-eric.eu

Figure 2



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MAKING
NEW

TREATMENTS
POSSIBLE