

SELF-ASSESSMENT TOOL FOR MOLECULAR PATHOLOGY TO CHECK PRE-ANALYTICAL WORKFLOWS

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BACKGROUND & AIM



A series of the CEN Technical Specification (CEN/TS) and ISO Standards for "In-Vitro Diagnostic examinations - Specifications for Pre-examination Processes" have been published and are in development.

The standards define requirements along the entire preanalytical clinical workflow of samples. They are applicable to diagnostics, molecular pathology and classical in situ detection methods.

The BBMRI.at and BBMRI-ERIC Biobanking Infrastructures have developed an online Self-Assessment Survey Tool. It is based on standards and allows pathology laboratories to evaluate if their pre-analytical procedures meet the requirements of the standards.

RESULTS BBMRI Self-Assessment Survey Tool (SAS)

for assessing compliance of pre-analytical workflows of pathology samples with CEN/TS & ISO Standards





The Self Assessment Tool set of IT-based questionnaires based on CEN and (upcoming) ISO standards for pre-analytical procedures*: i.e:

FFPE tissue - RNA (CEN/TS 16827-1:2015)

3 Look inside the BBMRI SAS
Inside the laboratory
 Primary tissue collection -
 Transport conditions
Outside the laboratory
 Primary tissue sample receipt at laboratory

- Evaluation of pathology of specimen and selection of sample
- FFPE tissue proteins (CEN/TS 16827-2:2015)
- FFPE tissue DNA (CEN/TS 16827-3:2015)
- Snap frozen tissue RNA (CEN/TS 16826-1:2015)
- Snap frozen tissue proteins (CEN/TS 16826-2:2015)
- Venous whole blood RNA (CEN/TS 16835-1:2015
- Venous whole blood DNA; (CEN/TS 16835-2:2015)
- Venous whole blood ccf DNA (CEN/TS 16835-3)

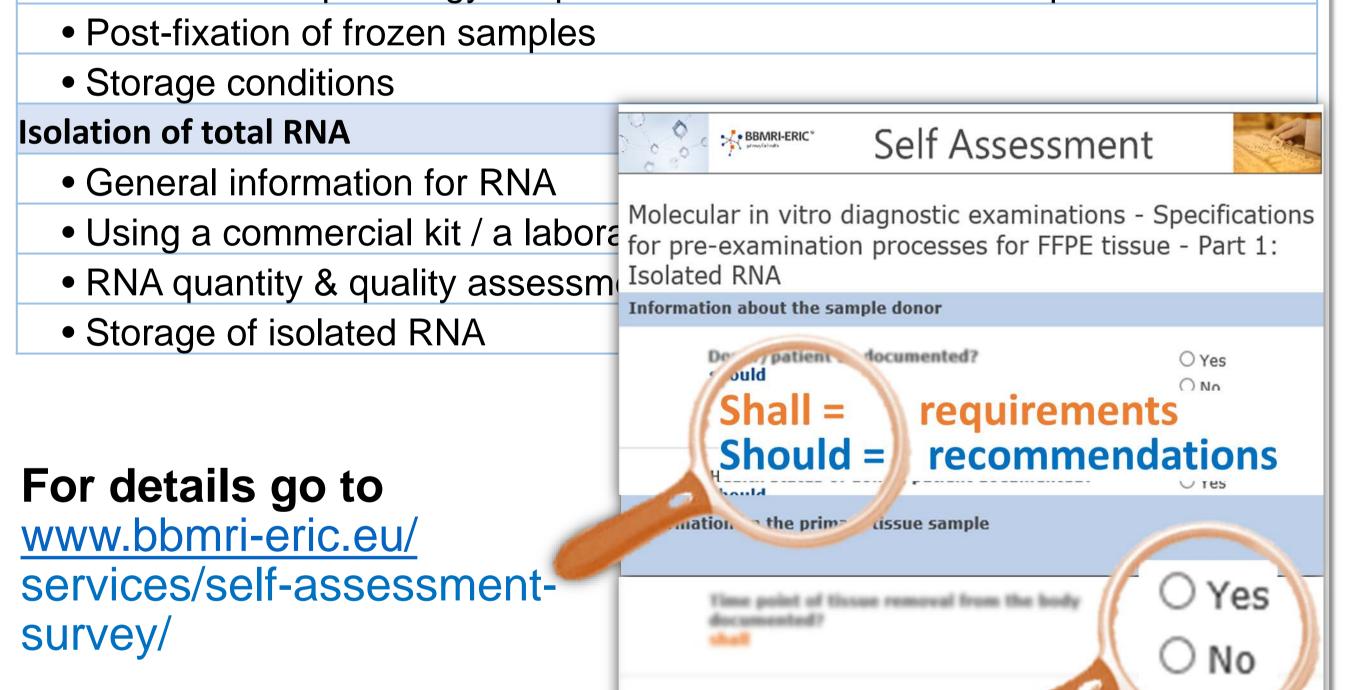
Metabolomics in serum, plasma, urine (CEN/TS 16945:2016)



How to get access and use the BBMRI SAS

Go to: <u>www.bbmri-eric.eu</u>

- Fill out request form & fulfill pre-conditions
- Get started: receive link to SAS
 - Complete SAS survey
 - Print report



Tissue type and condition do

SUMMARY

The Self-Assessment Survey Tool

- is a supportive tool to be used in combination with CEN & **ISO** standards
- provides an interactive electronic check-list on pre-

Evaluation

Quality

Label

Access

OPTIONAL:

- Submit report to BBMRI-ERIC
- Be reviewed by BBMRI-ERIC
- Receive BBMRI-ERIC quality label for a sample collection
- Enhance visibility of your sample collection in the BBMRI-ERIC Directory

analytical quality requirements

- helps laboratories in implementation of standards
- enables structured evaluation of established preanalytical processes and SOPs
- reveals deviations from standard requirements
- shows were optimization measures are needed
- allows pathology biobanks to display their quality-labeled collections in the BBMRI-ERIC Biobank Directory



Funding: BBMRI.at, BMBFW project (GZ 10.470/0016-II/3/2013) SPIDIA4P, H2020 project (grant agreement no. 7331129)

