

Qualitätsstandards für Biobanken

FFPE Tissue & Snap Frozen Tissue

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CEN Standards



CEN/TS 16827-1:2015: FFPE tissues – isolated RNA

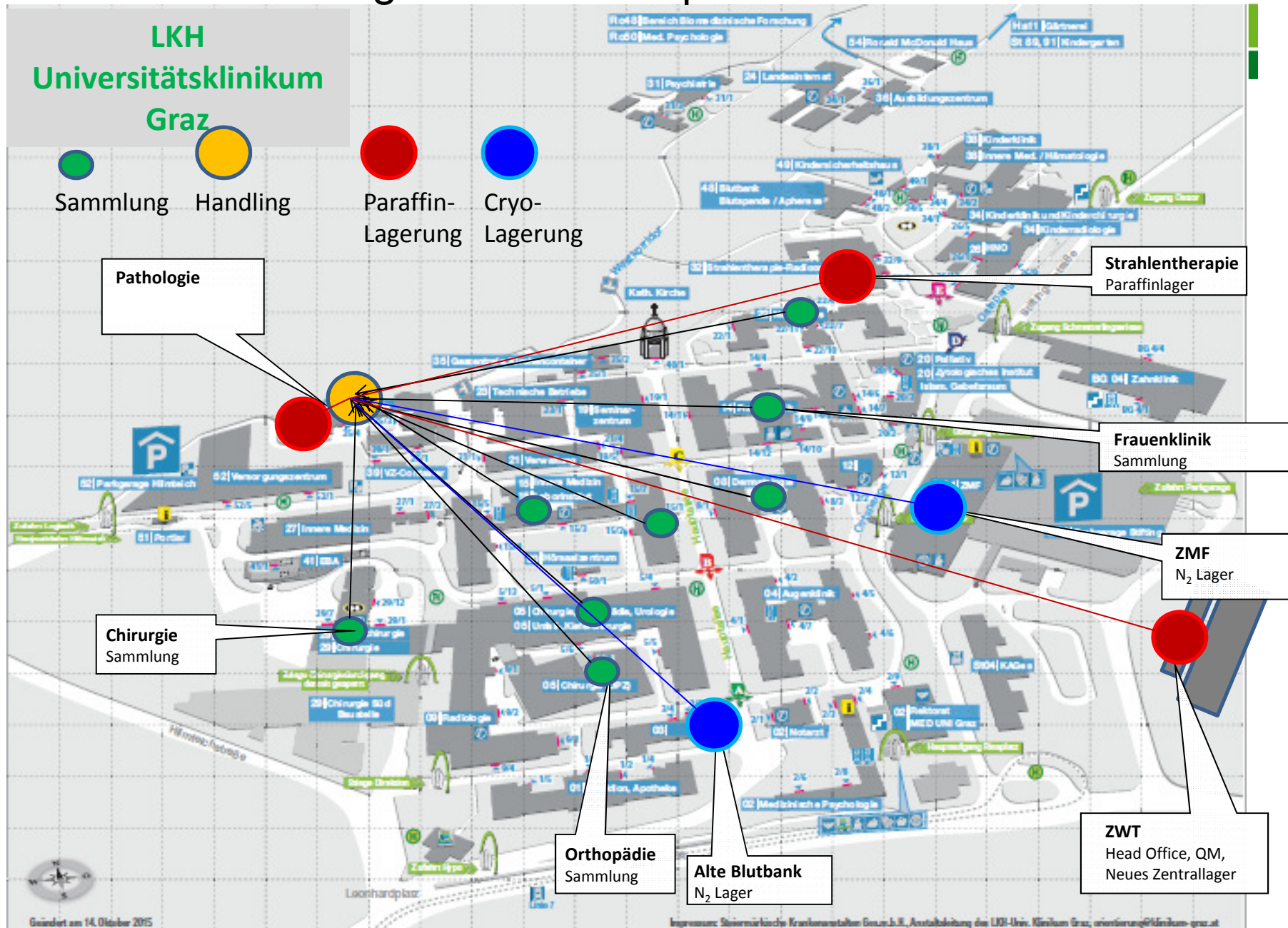
CEN/TS 16827-2:2015: FFPE tissues – isolated proteins

CEN/TS 16827-3:2015: FFPE tissues – isolated DNA

CEN/TS 16826-1:2015: Snap frozen tissues – isolated RNA

CEN/TS 16826-2:2015: Snap frozen tissues – isolated proteins

Biobank Graz: Wege der Gewebeproben



Herausforderungen – 1/3



FFPE & Snap frozen tissues

- As **warm ischemia** cannot be easily standardized, its time and duration **should** be documented.
- When it is not possible to avoid **cold ischemia**, its time of onset and duration **shall** be documented.
- **Temperatures** of the specimen transport container's surroundings **should** be documented.
- Where the **specimen is transported** to another facility for formalin fixation, the transport duration **shall** be documented and the ambient conditions **should** also be documented.

Herausforderungen – 2/3



FFPE & Snap frozen tissues

- The documentation **shall** include the time point when tissue is removed from the body.
- Selection and use of stabilization procedures **shall** be performed (e.g., cooling methods) for transport.
- The laboratory in partnership with the clinical or surgery department **shall** establish a protocol for the transport procedure of the specimen.
- Pathology: The **name of the person** receiving the primary tissue sample **shall** be documented.
- The tissue sample **arrival time** of the received samples **shall** be documented.

Herausforderungen – 3/3



Snap frozen tissues

- Labelling of the cryo-storage container **shall** contain the minimum information of:
 - (a) the **patient ID**, which can be in the form of a code;
 - (b) the **basic information** on e.g., the tissue type, tissue and disease condition,
unless a sample tracking system can supply this information
coupled to the identification of the sample used in (a);
 - (c) the **unique numbering** of each cryo-container.
- The **constant temperature shall** be below -70 °C.

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2001-2008
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Cryo
Paraffin
Next Year
Generation
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Fluids
Samples
ESRRP
ESBB

Danke!

