

Standard Operating Procedures, WP3 EurocanPlatform

1. Collecting, pre-processing & storing biological material for

- normal-premalignant lesions-early invasive breast cancer
 - normal-premalignant lesions-invasive head & neck cancers
 - neoplastic and surrounding non-involved tissues from pancreatic cancer
 - normal and premalignant lesions from patients with melanoma
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Vaught et al.2010

2A. Laboratory protocols for analysis of DNA, mRNA, miRNA & ncRNA

- 2a-1. Isolation of DNA: [ABN SOPs Review Mar07 final](#)
2a-2. Isolation of RNA (tissue): [RNA isolation Trizol march 2009](#)
2a-3. Isolation of RNA (blood): [RNAPAXv1](#)

Isolation of total RNA used for mRNA, miRNA & ncRNA analyses

2a-4. Expression microarray-analyses: [Agilent microarray exp Two-color Tecan](#)

2a-5. MiRNA microarray-analyses: [Agilent miRNA v1.7](#)

2a-6. Genomic analyses - SNP-arrays: Illumina Human 660W array:

[Inf HD Super Assay UG 11322427 RevC-1 660K SOP](#)

2a-7. TaqMan quantitative expression analyses:

[Applied Biosystems 7900HT Fast Real-Time PCR System and SDS Enterprise database User Guide](#)

2B. Blood collection & CTC enrichment/analysis

2b-1. Detection of tumour cells in peripheral blood and bone marrow: [Standard IMS method](#)

2b-2. Staining of cytopins: [Immunocytochemical staining of cytopins](#)

2b-3. Isolation of CTC and DTC: [CTC_DTC_Isolation_OUS](#)

2b-4. Cytospin preparation: [Cytospin preparation](#)

2C. Laboratory protocols for proteome analysis

[Proteome analysis sopTIF](#)

2E. Glycosylation protocols

Under development, in collaboration with FP7 EU-project “Glycomics by High throughput Integrated Technologies”

2F. Laboratory protocols for exosome preparation

[SOP_exosome](#)