Materials List for:

## Protocol for HER2 FISH Using a Non-cross-linking, Formalin-free Tissue Fixative to Combine Advantages of Cryo-preservation and Formalin Fixation

Martina Loibner<sup>1,2</sup>, Lisa Oberauner-Wappis<sup>1,2</sup>, Christian Viertler<sup>2</sup>, Daniel Groelz<sup>3</sup>, Kurt Zatloukal<sup>1,2</sup>

Correspondence to: Kurt Zatloukal at kurt.zatloukal@medunigraz.at

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## **Materials**

Name	Company	Catalog Number	Comments
SAV LP GmbH, Flintsbach a. I., Germany	www.sav-lp.de	FN-200L-4-1	Tissue fixative
Simport Plastic Ltd., Beloeil, Canada	www.simport.com	M-498	Safekeeping device providing labelling, fixation and paraffin embedding for tissue samples.
Qiagen GmbH, Hilden Germany	www.qiagen.com	765112	For collection, fixation, and stabilization of tissue samples: 10 Prefilled Reagent Containers, containing PAXgene Tissue FIX and PAXgene Tissue STABILIZER.
ThermoFisher Scientific	www.thermofisher.com	813150	Processing of biological specimens from chemical fixation to paraffin infiltration
Merck Millipore, Munich, Germany	www.analytics-shop.com/de/ hersteller/millipore.html	MC1009834000	Dehydration of tissue samples
VWR Chemicals, Darmstadt, Germany	https://at.vwr.com	10293EP	Dehydration of tissue samples
ACM Herba Chemosan Apotheker AG, Vienna, Austria	www.herba-chemosan.at	2549662 32	Paraffin used in a tissue processing device
Leica Mikrosysteme Handels GmbH, Vienna, Austria	www.LeicaBiosystems.com	39602004	Paraffin embedding medium
Sanova Diagnostik, Vienna, Austria	www.sanova.at	5229	Paraffin embedding instrument for tissues for histology
Histocom Medizintechnik Vertriebs GmbH, Wiener Neudorf, Austria	www.histocom.info	M 910010	This device is used for especially sophisticated paraffin sectioning techniques in biology and medicine. Only skilled or specially trained personnel must operate the microtome, i.e. clamping the specimen, trimming, sectioning and taking off the sections from the instrument.
Dako Denmark A/S, Glostrup, Denmark	www.chem.agilent.com	K802021-2	Coated glass slides, intended for mounting formalin-fixed, paraffinembedded tissue sections.
Qiagen GmbH, Hilden Germany	www.qiagen.com	73504	For purification of total RNA from formalin-fixed, paraffin-embedded tissue sections
Qiagen GmbH, Hilden Germany	www.qiagen.com	765134	For purification of total RNA from PAXgene-fixed, paraffin-embedded tissue sections

<sup>&</sup>lt;sup>1</sup>Christian Doppler Laboratory for Biospecimen Research and Biobanking Technologies, Institute of Pathology, Medical University Graz

<sup>&</sup>lt;sup>2</sup>Institute of Pathology, Medical University Graz

<sup>&</sup>lt;sup>3</sup>Research and Development, Qiagen GmbH

ZytoVision GmbH, Bremerhaven, Germany	www.zytovision.com	Z-2015-200	For the detection of ERBB2 (a.k.a HER2) gene amplification frequently observed in solid malignant neoplasms e.g. breast cancer samples.
3DHISTEC, Budapest, Hungary	www.3dhistech.com		Digital device for scanning tissue slides equipped with a 40x/1.2 NA objective, Quad band filters (DAPI/FITC/TRITC/Cy5) filters and a 5.5Mpx, 16 bit, cooled scientific CMOS (Complementary Metal Oxide Semiconductor) camera.
ThermoFisher Scientific	www.thermofisher.com	4368814	The High Capacity cDNA Reverse Transcription Kit contains all components necessary for the quantitative conversion of up to 2 µg of total RNA to single-stranded cDNA in a single 20 µL reaction.
ThermoFisher Scientific	www.thermofisher.com	4367659	PCR Master Mix containing polymerase, nucleotides and SYBR Green for PCR and quanitification of amplicons.
ThermoFisher Scientific, Wilmington, DE	www.thermofisher.com	Ser. Nr. F239	Spectrophotometer for nucleic acid quantification.
QuantStudio 7 Flex Real-time PCR System	www.thermofisher.com	4485701	PCR machine,
Vysis/Abbott Laboratories. Abbott Park, Illinois, U.S.A	www.molecular.abbott/us/ en/products/instrumentation/ thermobrite#order	e.g. (ThermoBrite) 07J91-020	Temperature controlled slide processing system for in-situ denaturation/hybridization procedures.