

Tests performed on material from paraffin blocks in the Molecular Biology Laboratory of the Greater Poland Cancer Centre

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FISH test	Probe
Rearrangement of the BCL2 gene	BCL2 Break Apart Probe (CE IVD)
Rearrangement of the BCL6 gene	BCL6 Break Apart Probe
Rearrangement of the MYC gene	MYC Break Apart Probe (CE IVD)
Rearrangement of the MALT1 gene	MALT1 Break Apart Probe (CE IVD)
Rearrangement of the SS18 gene	SS18 Break Apart Probe (CE IVD)
Rearrangement of the FOXF1 gene	FOXF1 Break Apart Probe
Rearrangement of the HER-2 gene	PathVysion HER-2 DNA Probe Kit II (CE IVD)
Amplification of the TP53 gene	TP53/CEN17 Dual Color Probe (CE IVD)
Deletions in the CDKN2A gene	CDKN2A/CEP9 (CE IVD)
Codeletion 1p/19q	1p36/1q25 and 19q13/19p13 FISH Probe Kit
Genotyping	Method
HPV virus detection (types detected: 6, 11, 16, 18, 26, 31, 33, 35, 39, 45, 51, 52, 53, 56, 58, 59, 66, 68, 70, 73, 82)	Real-time PCR (CE IVD test)
Analysis of mutations in genes	Method
Determination of mutations in exons 2, 3 and 4 of the KRAS gene	Real-time PCR (CE IVD test)
Determination of mutations in exons 2, 3 and 4 of the NRAS gene and at codon 600 of the BRAF gene	
Determination of the V600E mutation in the BRAF gene	
Microsatellite instability testing	PCR with high-resolution melting analysis
Determination of mutations in exons 9, 11, 13 and 17 of the KIT gene	DNA sequencing
Determination of mutations in exons 12, 14 and 18 of the PDGFRA gene	
Determination of the Asp842Val mutation in the PDGFRA gene	
Determination of mutations in exons 4-9 and 18 of the TP53 gene	
Determination of mutations in exon 9 (codons 286 and 297) and exon 13 (codons 411 and 424) of the POLE gene	