ASPER ONCOGENETICS

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Disease/Condition name	Method	No of detectable genes/markers	Genes	Price (EUR)
Breast and Ovarian/ Endometrial Cancer	NGS	2	BRCA1, BRCA2	535
	MLPA	2	BRCA1, BRCA2	535
	NGS+MLPA	2	BRCA1, BRCA2	803
	NGS	23	ATM, BARD1, BRCA1, BRCA2, BRIP1, CDH1, CHEK2, MEN1, MLH1, MRE11A, MSH2, MSH6, MUTYH, NBN, PALB2, PTCH1, PTEN, RAD50, RAD51C, RAD51D, STK11, TP53, XRCC2	1051
Cancer Predisposition	NGS	102	AIP, ALK, APC, ATM, BAP1, BARD1, BLM, BMPR1A, BRCA1, BRCA2, BRIP1, BUB1B, CDC73, CDH1, CDK4, CDKN1C, CDKN2A, CEBPA, CEP57, CHEK2, CYLD, DDB2, DICER1, DIS3L2, EGFR, EPCAM, ERCC2, ERCC3, ERCC4, ERCC5, EXT1, EXT2, EZH2, FANCA, FANCB, FANCC, FANCD2 (excluding exon 15, 16), FANCE, FANCF, FANCG, FANCI, FANCL, FANCM, FH, FLCN, GATA2, GPC3, HNF1A, HOXB13, HRAS, KIT, MAX, MEN1, MET, MITF, MLH1, MRE11A, MSH2, MSH6, MUTYH, NBN, NF1, NF2, NSD1, NTHL1, PALB2, PHOX2B, POLD1, PRF1, PRKAR1A, PRSS1, PTCH1, PTEN, RAD50, RAD51C, RAD51D, RB1, RECQL4, RET, RHBDF2, RUNX1, SBDS, SDHA, SDHAF2, SDHB, SDHC, SDHD, SLX4, SMAD4, SMARCB1, STK11, SUFU, TMEM127, TP53, TSC1, TSC2, VHL, WRN, WT1, XPA, XPC, XRCC2	1051
	MLPA	1	RB1	310
	MLPA	1	WT1	310
	MLPA	2	NF1, NF2	1070
Familial Adenomatous Polyposis	Sanger Sequencing	1	APC	773
	MLPA	1	APC	310
Fanconi Anemia	NGS	17	BRCA2, BRIP1, ERCC4, FANCA, FANCB, FANCC, FANCD2 (excluding exons 15, 16), FANCE, FANCF, FANCG, FANCI, FANCL, FANCM, PALB2, RAD51C, SLX4, XRCC2	1051
	MLPA	4	FANCA, FANCB, FANCD2, PALB2	1070
Lynch Syndrome	Sanger Sequencing	1 1 1	MLH1 MSH2 MSH6	515 515 515
	NGS	3	MLH1, MSH2, MSH6	1030
	MLPA	2	MLH1, MSH2	310
	MLPA	1	MSH6	310
Melanoma	NGS	3	CDK4, CDKN2A, MITF	1070
	MLPA	4	CDK4, CDKN2A, CDKN2B, MITF	590

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Microsatellite instability	Fragment Analysis	NA/7		175
MUTYH-associated Polyposis	Sanger Sequencing	1	MUTYH	257
	MLPA	1	MUTYH	310
	RFLP	1/2	MUTYH	170
Nijmegen Breakage Syndrome	Sanger Sequencing	1	NBN	788
		1/1	NBN	90
Polyposis Syndromes	NGS	6	APC, BMPR1A, MUTYH, PTEN, SMAD4, STK11	1030
	MLPA	3	BMPR1A, PTEN, SMAD4	590
	MLPA	1	STK11	310
Thyroid Cancer	NGS	10	APC, CDC73, DICER1, MEN1, PRKAR1A, PTEN, RET, SDHB, SDHD, TP53	1051
	MLPA	3	SDHB, SDHC, SDHD	590
	MLPA	1	MEN1	310
Von Hippel-Lindau Disease	Sanger Sequencing	1	VHL	267
Whole Exome Sequencing (WES)	NGS		Solo sample Trio samples	1567 3100
Whole Genome Sequencing (WGS)	NGS		Solo sample Trio samples	4500 8800

Service includes

- DNA extraction
- Genotyping
- Bioinformatic analysis of detected variants
- Detected variants available in Excel format (on request)
- Validation of phenotype/diagnosis associated known or possibly pathogenic variants
- Clinical and biological interpretation
- Results delivery by registered mail (on request)
- TAT 2-9 weeks, excl. WES and WGS 15 weeks

Online ordering, specimen requirements and shipping instructions are available at www.asperbio.com.

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