

## Service Specifications Diagnostic Laboratory PharmGenomics GmbH

Only for commercial customers like doctors, medical laboratories, CROs.

All prices are list prices, volume discounts on request.

GenoChip Analysis					
No.	Parameter	Variation	Detection method	Source material	Price € (ex. VAT)
1.	GenoChip 5-FU	DPYD*2A (1905+1G>A) DPYD*3 (1898delC) DPYD*4 (1601G>A) DPYD*7 (295_298delTCAT) DPYD*10 (2983G>T) DPYD*12 (1156G>T) DPYD*13 (1679T>G) DPYD M166V (496A>G) DPYD A551T (1651G>A) DPYD D949V (2846A>T)	Macroarray	EDTA-blood	140,-
2.	GenoChip Artero <sup>DAkks</sup>	ACE Insertion/Deletion AGT 704T>C AGTR1 1166A>C APOE Cys130Arg (former Pos. 112) APOE Cys176Arg (former Pos. 158) CETP 279G>A (Taq1B) CETP 1061A>G Factor II 20210G>A Factor V 1691G>A (Leiden) GNB3 825C>T GP3a 1565T>C NOS3 -786T>C MTHFR 677C>T MTHFR 1298A>C PAI-1 -675 5G/4G SELE 561A>C	Macroarray	EDTA-blood	140,-
3.	GenoChip CYP2D6 <sup>DAkks</sup>	CYP2D6*3 (2549delA) CYP2D6*4 (1846G>A) CYP2D6*5 (Gene Deletion) CYP2D6*6 (1707delT) CYP2D6*7 (2935A>C) CYP2D6*8 (1758G>T) CYP2D6*9 (2615_2617 del AAG) CYP2D6*10 (100C>T) CYP2D6*11 (883G>C) CYP2D6*17 (1023C>T) CYP2D6*29 (3183G>A) CYP2D6*41 (2988G>A) CYP2D6*xN (Gene Duplication)	Macroarray	EDTA-blood	140,-

GenoChip Analysis					
No.	Parameter	Variation	Detection method	Source material	Price € (ex. VAT)
4.	GenoChip CYP+ <sup>DAkKS</sup>	CYP2D6*3 (2549delA) CYP2D6*4 (1846G>A) CYP2D6*5 (Gene Deletion) CYP2D6*6 (1707delT) CYP2D6*7 (2935A>C) CYP2D6*8 (1758G>T) CYP2D6*9 (2615_2617 del AAG) CYP2D6*10 (100C>T) CYP2D6*11 (883G>C) CYP2D6*17 (1023C>T) CYP2D6*29 (3183G>A) CYP2D6*41 (2988G>A) CYP2D6*xN (Gene Duplication) CYP1A1*2A (3798T>C) CYP1A2*1C (-3860G>A) CYP1A2*1F (-163C>A) CYP2C9*2 (430C>T) CYP2C9*3 (1075A>C) CYP2C19*2 (681G>A) CYP2C19*3 (636G>A) CYP2C19*17 (-806C>T) CYP3A4*1B (-392A>G) CYP3A4*22 (15389C>T) CYP3A5*2 (27289C>A) CYP3A5*3 (6986A>G) CYP2B6 516G>T CYP2B6 785A>G VKORC1 -1639G>A	Macroarray	EDTA-blood	220,-
5.	GenoChip Food	ADH1B*2 (Arg48His) ALDB Ala149Pro ALDB Ala174Asp ALDB Asn334Lys ALDH2*2 (Glu487Lys) AOC1 (DAO) 4586G>T G6PD 563C>T (Mediterranean) HLA-DQA1*03 HLA-DQA1*05 HLA-DQB1*02 HLA-DQB1*03:02/*03:05 LCT -13910T>C SI Leu620Pro	Macroarray	EDTA-blood	140,-

GenoChip Analysis					
No.	Parameter	Variation	Detection method	Source material	Price € (ex. VAT)
6.	GenoChip Onco	BRAF V600E (1799T>A) BRAF V600K (1798G>A and 1799T>A) BRAF V600R (1798G>A and 1799T>G) KRAS G12A (35G>C) KRAS G12C (34G>T) KRAS G12D (35G>A) KRAS G12R (34G>C) KRAS G12S (34G>A) KRAS G12V (35G>T) KRAS G13C (37G>T) KRAS G13D (38G>A) KRAS Q61H (183A>C) KRAS Q61L (182A>T)	Macroarray	FFPE-tissue sections	185,-
7.	GenoChip Toxo <sup>DAkks</sup>	ABCB1 (MDR1) 3435C>T COMT Val158Met CYBA 242C>T CYP1A1*2A (3798T>C) CYP1A2*1C (-3860G>A) CYP1A2*1F (-163C>A) CYP2B6 516G>T CYP2B6 785A>G CYP2C8*3 (30411A>G) CYP2C9*2 (430C>T) CYP2C9*3 (1075A>C) CYP2C19*2 (681G>A) CYP2C19*3 (636G>A) CYP2C19*17 (-806C>T) CYP3A4*1B (-392A>G) CYP3A4*22 (15389C>T) CYP3A5*2 (27289C>A) CYP3A5*3 (6986A>G) Factor II 20210G>A Factor V 1691G>A (Leiden) GSTM1 14 kb Deletion GSTP1 Ile105Val GSTP1 Ala114Val GSTT1 50 kb Deletion MTHFR 677C>T NAT2 191G>A NAT2 341T>C NAT2 481C>T NAT2 590G>A NAT2 857G>A SOD2 Val16Ala VKORC1 -1639G>A	Macroarray	EDTA-blood	140,-

Individual parameter					
No.	Parameter	Variation	Detection method	Source material	Price € (ex. VAT)
1.	ABCB1 (MDR1)	3435C>T	Real-Time PCR	Buccal swab, EDTA-blood	50,-
2.	ADH1B	*2 (Arg48His)	RFLP	Buccal swab, EDTA-blood	50,-
3.	ALDH2	*2 (Glu487Lys)	RFLP	Buccal swab, EDTA-blood	50,-
4.	ALDB	Ala149Pro Ala174Asp Asn334Lys	Real-Time PCR	Buccal swab, EDTA-blood	95,-
5.	APOE	Cys130Arg (former Pos. 112) Cys176Arg (former Pos. 158)	Real-Time PCR	Buccal swab, EDTA-blood	75,-
6.	BRAF	Codon 600, 601	Real-Time PCR	FFPE-tissue sections	95,-
7.	CAT	-262C>T	Real-Time PCR	Buccal swab, EDTA-blood	On request
8.	COMT	His62His	Real-Time PCR	Buccal swab, EDTA-blood	50,-
9.	COMT	Val158Met	Real-Time PCR	Buccal swab, EDTA-blood	50,-
10.	CYP1A1	*2A (3798T>C)	Real-Time PCR	Buccal swab, EDTA-blood	50,-
11.	CYP1A2	*1C (-3860G>A) *1F (-163C>A)	Real-Time PCR	Buccal swab, EDTA-blood	75,-
12.	CYP2C19	*2 (681G>A) *3 (636G>A) *17 (-806C>T)	RFLP	Buccal swab, EDTA-blood	95,-
13.	CYP2C8	*2 (11054A>T) *3 (30411A>G) *4 (11041C>G)	Real-Time PCR	Buccal swab, EDTA-blood	On request
14.	CYP2C9	*2 (430C>T) *3 (1075A>C)	RFLP	Buccal swab, EDTA-blood	95,-
15.	CYP3A4	*1B (-392A>G) *2 (15713T>C) *3 (23171T>C) *17 (15615T>C)	Real-Time PCR	Buccal swab, EDTA-blood	On request

Individual parameter					
No.	Parameter	Variation	Detection method	Source material	Price € (ex. VAT)
16.	CYP3A5	*2 (27289C>A) *3 (6986A>G)	Real-Time PCR	Buccal swab, EDTA-blood	On request
17.	DPD	*2A (IVS14+1)	Real-Time PCR	Buccal swab, EDTA-blood	50,-
18.	Factor II	20210G>A	Real-Time PCR	Buccal swab, EDTA-blood	50,-
19.	Factor V	1691G>A (Leiden)	Real-Time PCR	Buccal swab, EDTA-blood	50,-
20.	G6PD	563C>T (Mediterranean)	RFLP	Buccal swab, EDTA-blood	50,-
21.	GSTM1	14 kb Deletion	PCR	Buccal swab, EDTA-blood	50,-
22.	GSTP1	Ile105Val Ala114Val	RFLP	Buccal swab, EDTA-blood	75,-
23.	GSTT1	50 kb Deletion	PCR	Buccal swab, EDTA-blood	50,-
24.	HLA	B*57:01	Lateral-flow-dipstick (LFD)	Buccal swab	On request
25.	HLA (celiac disease) <small>DAkks</small>	DQA1*05 DQB1*02 DQB1*03:02/*03:05	Real-Time PCR	Buccal swab, EDTA-blood	95,-
26.	HFE	HFE His63Asp HFE Cys282Tyr	Real-Time PCR	Buccal swab, EDTA-blood	75,-
27.	KRAS	Codon 12, 13	Real-Time PCR	FFPE-tissue sections	95,-
28.	LCT <sup>DAkks</sup>	-13910T>C	Real-Time PCR	Buccal swab, EDTA-blood	50,-
29.	MAOA	Arg297Arg	Real-Time PCR	Buccal swab, EDTA-blood	50,-
30.	MTHFR	677C>T 1298A>C	Real-Time PCR	Buccal swab, EDTA-blood	75,-
31.	NOS3	Asp298Glu	Real-Time PCR	Buccal swab, EDTA-blood	50,-
32.	PAI-1	-675 5G/4G	Real-Time PCR	Buccal swab, EDTA-blood	50,-

Individual parameter					
No.	Parameter	Variation	Detection method	Source material	Price € (ex. VAT)
33.	SHMT1	1420C>T	Real-Time PCR	Buccal swab, EDTA-blood	50,-
34.	SLCO1B1	521T>C	Real-Time PCR	Buccal swab, EDTA-blood	50,-
35.	SOD3	760C>G	Real-Time PCR	Buccal swab, EDTA-blood	50,-
36.	TPMT	238G>C 460G>A 719A>G	Real-Time PCR	Buccal swab, EDTA-blood	95,-
37.	UGT1A1	*28 (6TTA/7TTA)	Real-Time PCR	Buccal swab, EDTA-blood	50,-
38.	VDR	Taq1	Real-Time PCR	Buccal swab, EDTA-blood	50,-

Extraction genomic DNA		
No.	Source material	Price € (ex. VAT)
1.	EDTA-blood	25,-
2.	FFPE-tissue sections	25,-
3.	Stabilized stool sample (Stratec stool collection tube)	25,-
4.	Buccal swab	25,-
5.	Saliva	25,-

Express Analysis	Price € (ex. VAT)
Result within 2 working days after sample receipt	plus 28,-

For sample shipment and further information refer to the preanalytics manual on our website.

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<sup>DAkkS</sup> Within DAkkS accreditation