



Erkrankung	Gen	Untersuchungen	X
<b>Blutungsneigung</b>			
Fibrinogen alpha	<i>FGA</i>	Exon 1 - 6	
Fibrinogen beta	<i>FGB</i>	Exon 1 - 8	
Fibrinogen gamma	<i>FGG</i>	Exon 1 - 10	
Faktor II Mangel (Prothrombin)	<i>FII</i>	Ex 1 -14	
Faktor V Mangel	<i>FV</i>	Exon 1 - 26	
Faktor VII Mangel	<i>FVII</i>	Exon 1 - 9	
Faktor VIII Mangel (Hämophilie A)	<i>FVIII</i>	Exon 1 - 26 + Inv. 1+22 + MLPA	
Faktor IX Mangel (Hämophilie B)	<i>FIX</i>	Exon 1 - 8	
Faktor X Mangel	<i>FX</i>	Exon 1 - 8	
Faktor XI Mangel	<i>FXI</i>	Exon 2 - 15	
Faktor XIII Mangel Subunit A	<i>FXIII-A</i>	Exon 2 - 15	
Faktor XIII Mangel Subunit B	<i>FXIII-B</i>	Exon 1 - 12	
Kombinierter FVIII/FV Mangel	<i>LMAN1/ERGIC3</i>	Exon 1 -13	
Kombinierter FVIII/FV Mangel	<i>MCFD2</i>	Exon 2 - 4	
Bernard-Soulier-Syndrom	<i>GP1B-α</i>	Exon 2	
Bernard-Soulier-Syndrom	<i>GP1B-β</i>	Exon 1 + 2	
Bernard-Soulier-Syndrom	<i>GP9</i>	Exon 3	
M. Glanzmann	<i>ITGA2B</i>	Exon 1 - 30	
M. Glanzmann	<i>ITGB3</i>	Exon 1 - 15	
M. Glanzmann	<i>P2RY12</i>	Exon 3	
M. Glanzmann	<i>P2RY1</i>	Exon 1	
Integrin B-6	<i>ITGB6</i>	Exon 1 - 15	
von Willebrand Syndrom	<i>VWF</i>	Ex 2 - 52 + MLPA	
<b>Thromboseneigung</b>			
VWF F2561Y-Polymorphismus	<i>VWF</i>	p.F2561Y	
PAI-1 Mangel	<i>SERPINE1</i>	Exon 1 - 9	
GP1IIA-Polymorphismus	<i>GP1IIA</i>	Exon 2	
Faktor V Leiden Mutation	<i>FV</i>	p.R506Q	
Prothrombinmutante	<i>FII</i>	c.20210G>A	
Protein C Mangel	<i>PROC</i>	Exon 2 - 9	
Protein S Mangel	<i>PROS1</i>	Exon 1 - 15	
Antithrombin Mangel (AT-III Mangel)	<i>SERPINC1</i>	Exon 1 - 7	
PAI-1 Polymorphismus 4G/5G	<i>SERPINE1</i>	5' UTR	
MTHFR-Polymorphismen	<i>MTHFR</i>	c.677C>T / c.1298A>C	
Kollagenrezeptor Polymorphismus	<i>ITGA2</i>	c.807C>T	
Thrombotisch-Thrombozytopenische Purpura (TTP)	<i>ADAMTS13</i>	Exon 1 - 29	
atypisches HUS	<i>MCP</i>	Exon 2 - 14	
atypisches HUS	<i>CFH</i>	Exon 1 - 22	
atypisches HUS	<i>CFI</i>	Exon 1 - 13	
atypisches HUS	<i>THBD</i>	Exon 1	
<b>Hämatologie</b>			
Vitamin B12 Mangel	<i>AMN</i>	Exon 1 - 12	
Vitamin B12 Mangel	<i>TCN1</i>	Exon 1 - 9	
Glucose-6-Phosphat-Dehydrogenase Mangel	<i>G6PD</i>	Ex 2 - 13	
Shwachman-Diamond-Syndrom	<i>SBDS</i>	Exon 1 - 5	
IRIDA	<i>TMPRSS6</i>	Exon 1 - 18	
Hämochromatose	<i>HFE</i>	Exon 1 - 6	
Congenitale Dyserythropoetische Anämie	<i>GATA1</i>	Exon 2 - 6	
Congenitale Dyserythropoetische Anämie	<i>ZFPM1/FOG1</i>	Exon 1 - 10	
α-Thalassämie	<i>HBA1/HBA2</i>	Exon 1 - 3 + MLPA	
β-Thalassämie	<i>HBB</i>	Exon 1 - 3 + MLPA	
Sichelzellanämie	<i>HBB</i>	Exon 1	
Chimärismus Analyse nach KMT	11 versch. Marker	Fragmentalanalyse	
<b>Tumorprädisposition</b>			
Adenomatöse Polyposis coli	<i>APC</i>	Exon 1 - 15	
Brustkrebs	<i>BRCA2/FANCD1</i>	Exon 2 - Exon 27	
Rhabdoid-Tumor / ATRT	<i>SMARCB1/INI1</i>	Exon 1 - 9 + MLPA	
Rhabdoid-Tumor / ATRT	<i>SMARCA4/BRG1</i>	Exon 2 - 35	
Rhabdoid-Tumor / ATRT	<i>SMARCC2/BAF170</i>	Exon 1 - 28	
Rhabdoid-Tumor / ATRT	<i>SMARCC1/BAF155</i>	Exon 1 -28	
Rhabdoid-Tumor / ATRT	<i>SMARCA2/BRM</i>	Exon 2 - 34	
Pleuro-Pulmoblastom	<i>DICER1</i>	Exon 2-27	
Li Fraumeni Syndrom	<i>TP53</i>	Exon 2 - 11	
Neuroblastom, Squamous cell carcinoma, head and neck	<i>ING1</i>	Exon 1+2	
Neuroblastom mit Hirschsprung-Disease	<i>PHOX2B</i>	Exon 1 - 3	
Wilms-Tumor, Denys-Drash Syndrom, WAGR-Syndrom	<i>WT1</i>	Exon 1 - Exon 10	
Beckwith-Wiedemann Syndrom, Sotos Syndrom, Weaver Syndrom	<i>NSD1</i>	Exon 5	
Fanconi A	<i>FANCA</i>	Exon 1 - 43	
Fanconi C	<i>FANCC</i>	Exon 2 - 15	
Fanconi N (Brustkrebs)	<i>RAD51C</i>	Exon 1 - 10 + MLPA	
T-Zell-Leukämie, Aortic Valve Disease	<i>NOTCH1</i>	Exon 1-34	
T-Zell-Leukämie	<i>FBXW7</i>	Exon 1 - 11	
Thrombozythämie	<i>JAK2</i>	p.V617F	
Transitorisch Myeloproliferatives Syndrom beim Down Syndrom	<i>GATA1</i>	Exon 2	

<b>Immundefekte / DNA-Reparatur</b>		
CCR5del32	<i>CCR5</i>	del32bp
Chronische Granulomatose (X-CGD)	<i>CYBB</i>	Exon 1 - 13
DiGeorge Syndrom	<i>DGSCR</i>	MLPA
Nijmegen Breakage Syndrom (NBS)	<i>NBN</i>	Exon 1 - 16
Fanconi A	<i>FANCA</i>	Exon 1 - 43
Fanconi C	<i>FANCC</i>	Exon 2 - 15
Fanconi N	<i>RAD51C</i>	Exon 1 - 10 + MLPA
Radiosensitive (RS)-SCID	<i>LIG4</i>	Exon 2
Radiosensitive (RS)-SCID	<i>XRCC4</i>	Exon 2 - 8
Radiosensitive (RS)-SCID T-/B-/NK+	<i>NHEJ1</i>	Exon 1 - 8
SCID T-/B-/NK+	<i>RAG1</i>	Exon 2
SCID T-/B-/NK+	<i>RAG2</i>	Exon 2
Radiosensitive (RS)-SCID T-/B-/NK+	<i>DCLRE1C (Artemis)</i>	Exon 1 - 13
Radiosensitive (RS)-SCID, Ig Switch defect	<i>H2AFX</i>	Exon 1
<b>Stoffwechsel</b>		
OTC Mangel	<i>OTC</i>	Exon 1 - 10
Fruktose Intoleranz (HFI)	<i>ALDOB</i>	Exon 2 - 9
Citrullinämie (CTLN1)	<i>ASS</i>	Exon 1 - Exon 15
Lactose Intoleranz	<i>LCT</i>	c.13910T>C
Morbus Meulengracht / Gilbert Syndrom	<i>UGT1A1</i>	A(TA) <sub>6</sub> /7TAA
Cystische Fibrose (CF)	<i>CFTR</i>	Exon 1 - 27
Vitamin B12 Mangel	<i>AMN</i>	Exon 1 - 12
Vitamin B12 Mangel	<i>TCN1</i>	Exon 1 - 9
Glucose-6-Phosphat-Dehydrogenase Mangel	<i>G6PD</i>	Ex 2 - 13
Shwachman-Diamond Syndrom	<i>SBDS</i>	Exon 1 - 5
<b>Nephrologie</b>		
Thrombotisch-Thrombozytopenische Purpura (TTP)	<i>ADAMTS13</i>	Exon 1 - 29
atypisches HUS	<i>MCP</i>	Exon 2 - 14
atypisches HUS	<i>CFH</i>	Exon 1 - 22
atypisches HUS	<i>CFI</i>	Exon 1 - 13
atypisches HUS	<i>THBD</i>	Exon 1
Wilms-Tumor, Denys-Drash Syndrom, WAGR-Syndrom	<i>WT1</i>	Exon 1 - Exon 10
Diabetes Insipidus, nephrogen, X-linked	<i>AVPR2</i>	Exon 1 - 3
Diabetes Insipidus, nephrogen, autosomal	<i>AQP2</i>	Exon 1 - 4
Diabetes Insipidus, hypophysaer	<i>AVP</i>	Exon 1 - 3
Denys-Drash Syndrom, WAGR-Syndrom, Wilms-Tumor	<i>WT1</i>	Exon 1 - Exon 10
<b>Kardiologie</b>		
DiGeorge Syndrom und CATCH 22	<i>Genregion 22q11.2</i>	MLPA Diagnostik
Williams-Beuren-Syndrom	<i>WBS-Region 7q11.23</i>	MLPA Diagnostik
Aortic Valve Disease 1	<i>NOTCH1</i>	Exon 1-34
<b>Sonstiges</b>		
Thiopurin-S-Methyltransferase	<i>TPMT</i>	p.A80T / p.A154T / p.Y240C
Hereditäres Angioödem, HAE Typ III (Faktor XII) p.T309K / p.T309R	<i>FXII</i>	Exon 9
M. Hirschsprung mit Neuroblastom	<i>PHOX2B</i>	Exon 1 - 3
Williams-Beuren-Syndrom	<i>WBS-Region 7q11.23</i>	MLPA Diagnostik
Charcot-Marie-Tooth Disease	<i>PMP22</i>	Exon 1 - 5 + Duplication/Deletion
Incontinentia pigmenti	<i>NEMO</i>	cDNA
Beckwith-Wiedemann Syndrom, Sotos Syndrom, Weaver Syndrom	<i>NSD1</i>	Exon 5
Adult-onset osteosclerosis with increased bone mass	<i>HIVEP3 (SCHNURRI)</i>	Exon 1 - 9
Geschlechtsbestimmung	<i>XY-PCR</i>	
X-Inaktivierungsmuster	<i>AR (HUMARA) u.a.</i>	Fragmentanalyse
genetischer Fingerprint	<i>11 versch. Marker</i>	Fragmentanalyse

Einverständnis gemäß Gendiagnostik-Gesetz erforderlich  
Material: 2-5 ml EDTA-Blut, ungekühlt an:  
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