Current list of accreditation procedures*
D-ML-13206-01-00

valid from: 26.10.2026

CeGaT GmbH
Paul-Ehrlich-Straße 23, 72076 Tübingen

Investigations in the field:

Medical laboratory diagnostics

Areas under investigation:
Human genetics (molekulare human genetics, cytogenetics)

Research field: Human genetics (cytogenetics)

Type of examination:
Chromosome analysis

Analyt (measured variable)	Test material (matrix)	Examintation technique	Instruction/ Version	Device	Remarks
Constitutional set of chromosomes (duplikations/deletions)	EDTA-Blood, DNA; DNA	Molecular karyotyping by array analysis (Array-CGH)	[2], [3], [4], [9], [46]	Array-CGH Agilent SureScan DX, Cytogenomics (Version 5.1.2.1)	FlexA

Research field: Human genetics (molecular human genetics)

Type of examination:
Molecular biological examinations (amplification and hybridization methods) **

Genotyping of defined variant alleles and muation analysis with heterogenous spectrum (Sanger sequencing, MLPA, MS-MLPA)

Indication and Analyt (gene(s), variant(s))	Test material (matrix)	Examintation technique	Instruction/ Version	Device	Remarks
https://cegat.com/diagnostics/single-gene-and-segregation-analysis/					Gene list at the bottom of the website
Prader-Willi-Syndrome (PWS), Angelman-Syndrome (AS), Analysis of the methylation status and of deletions SNRPN-Region 15q11-13 UPD15 (UBE3A)	EDTA-Blood, Cells; DNA	PCR, Sanger sequencing, MS-MLPA	[2], [3], [4],[47], [48], [49] MLPA-Kit: s. Liste MLPA-Kits	Thermocycler, ABI 3730	
Spinal muscle atrophie (SMN1, SMN2)	EDTA-Blood, DNA, Buccal swab, cells, tissue[a]; DNA	Deletions/duplicationanalysis (MLPA)	[2], [3], [4], [48], [49] MLPA-Kit: s. Liste MLPA-Kits	Thermocycler, ABI 3730	
Hämochromatosis (HFE) point mutation Cys282Tyr	EDTA-Blood, DNA, Buccal swab, cells, tissue[a]; DNA	PCR, Sanger sequecing	[2], [3], [4], [49], [50], [51], [52], [53]	Thermocycler, ABI 3730	

Genotyping of allelic series of the same genomic localization (repeat diseases)

Indication and Analyt (gene(s), variant(s))	Test material (matrix)	Examintation technique	Instruction/ Version	Device	Remarks
https://cegat.com/diagnostics/single-gene-and-segregation-analysis/					Gene list at the bottom of the website
Chorea Huntington (HTT)	EDTA-Blood, DNA, Buccal swab, cells, tissue[a]; DNA	PCR, Repeat Analysis	[2], [3], [4], [49], [54], [55], [56], [57], [58], [59], [60], [61], [62], [63]	Thermocycler, ABI 3730	
Mikrosatellite instability Mikrosatellite marker: BAT-25, BAT-26, NR-21, NR-22, NR27	DNA, cfDNA, EDTA-Blood, blood (special tubes), plasma, cells, tissue[a]; DNA	Multiplex PCR, Repeat Analysis	[2], [3], [4], [49], [64], [65]	Thermocycler, ABI 3730	

Muation analysis with heterogenous spectrum (NGS) potential disease-causing variants of several genes (NGS analysis panels)

Indication and Analyt (gene(s), variant(s))	Test material (matrix)	Examintation technique	Instruction/ Version	Device	Remarks
https://cegat.com/diagnostics/rare-diseases/ **Panels für:** Eye diseases Connective tissue disease Blood disorders Epilepsy and brain development disorders Fertility Skin Diseases Cardiac disease Immune disorders Deep immunogenetics Liver diseases Metabolic diseases incl. Mitochondriopathies Neurodegenerative diseases Neuromuscular diseases Kidney diseases Hearing loss Skeletal disorders Cilio pathies Individual panel					Gene list of the respective panel at the bottom of the website
https://cegat.com/diagnostics/prevention/ Disease Prevention Panel Predictive Analysis for Dementia Predictive Analysis forParkinson Disease					Gene list of the respective panel at the bottom of the website
https://cegat.com/diagnostics/tumor-diseases/hereditary-tumor-syndromes/					Gene list at the bottom of the website
https://cegat.com/diagnostics/family-planning/ Family Planning Panel Panel for Fertility Eye diseases Retinitis pigmentosa, autosomal-dominant and X-linked	EDTA-Blood, DNA, Buccal swab, cells, tissue[a]; DNA	Target enrichment, Sequencing-by-synthesis, in house pipeline	[2], [3], [4], [5], [6], [7], [8], [29], [30], [42], [43], [49], [66] Pipeline: release 8194 Panel: cexome.7	Thermocycler, Illumina plaform	Gene list of the respective panel at the bottom of the website

https://cegat.com/diagnostics/diagnostic-methods/exome-diagnostics/ ExomeFocus® ExomeXtra®					
Developmental delay (Whole-Exome-Sequenzierung)	EDTA-Blood, DNA, Buccal swab, cells, tissue[a]; DNA	Target enrichment, Sequencing-by-synthesis, in house pipeline	[2], [3], [4], [5], [6], [7], [8],[14], [15), [29], [30], [42], [43], [49], [65], [66], [67] Pipeline: release 8194 Panel: cexome.7	Thermocycler, Illumina plaform	In the case of tumor material: The samples are processed and analyzed by the laboratory with prior histological assessment by a contracted pathologist.
https://cegat.com/diagnostics/tumor-diseases/ Cancer Essential® Cancer Precision® CancerNeo® CancerDetect® Cancer MRD					Gene list of the respective panel at the bottom of the website
https://cegat.com/diagnostics/diagnostic-methods/whole-genome-diagnostics/					
Somatic Tumor Panel for therapy decisions incl. selected structural variants	DNA, cfDNA, EDTA-Blood, blood (special tubes), plasma, cells, tissue[a]; DNA	Target enrichment, Sequencing-by-synthesis, in house pipeline	[2], [3], [4], [5], [6], [7], [8], [29], [30], [42], [43], [65], [66] Pipeline: release 8194 Panel: TUM.9, CFD.2	Thermocycler, Illumina plaform	The samples are processed and analyzed by the laboratory with prior histological assessment by a contracted pathologist.
mRNA expression level of tumor-associated genes for therapy decisions (transcriptome sequencing)	Blood (special tubes), RNA, Cells, tissue[b]; RNA	Target enrichment, Sequencing-by-synthesis, in house pipeline	[4], [5], [6], [7], [8], [13], [65], [66] Pipeline: release 8194 Panel: TUM.9	Thermocycler, Illumina plaform	The samples are processed and analyzed by the laboratory with prior histological assessment by a contracted pathologist.
https://cegat.com/diagnostics/tumor-diseases/cancerfusionrx/ Cancer FusionRX®					Gene list at the bottom of the website
RNA fusion panel for the identification of known and novel therapy-relevant tumor-associated gene fusions and selected intragenic structural variants	RNA, blood (special tubes), Cells, tissueb; RNA	Target enrichment, Sequencing-by-synthesis, in house pipeline	[4], [5], [6], [7], [8], [66], [68] Pipeline: release 8194 Panel: STR.9	Thermocycler, Illumina plaform	The samples are processed and analyzed by the laboratory with prior histological assessment by a contracted pathologist.
Variant detection for tumor progression monitoring	DNA, EDTA-Blood, cells; cfDNA, DNA	digitale droplet PCR (ddPCR)	[2], [3], [4], [16], [23], [24], [65] ddPCR-Kit: siehe L-MG-F0051 (V01)	Droplet Generator, Droplet Reader (Bio-Rad)	

* Die CeGaT GmbH is flexibly accredited. This means that the modification as well as further and new development of examination procedures is permitted within the examination areas marked with **.
The examination procedures listed are examples and the links lead to the individual accredited examination procedures.

List of references

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5	L-MG-0008	7
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21	L-MG-0061	15
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23	L-MG-0065	5
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28	L-MG-0082	4
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30	L-MG-0088a	3
31	L-MG-0090	4
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43	L-MG-0128a	2
44	PS-0004	18
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46	B-0003	6
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52	L-MG-0111	3
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76	NIPT_B_R-0001	9
77	L-MG-0121	2