

**The Appendix is an integral part of  
Certificate of Accreditation No. 150/2023 of 03/04/2023**

**Accredited entity according to ČSN EN ISO 15189:2013:**

**CENTRUM LÉKAŘSKÉ GENETIKY s.r.o.**  
CAB Number 8046, Center for Medical Genetics, Ltd. - Laboratory  
Novohradská 1806/68, 370 08 České Budějovice

*The laboratory applies a flexible approach to the scope of accreditation.*

*The current "List of activities within the flexible scope" is available on the website  
<https://www.clg.cz/Akreditace/>*

**Examinations:**

Ordinal number	Examination procedure name	Principle of examination	Identification of procedure/ equipment	Examined material	Degrees of freedom <sup>1</sup>
<b>816 – Medical Genetics Laboratory</b>					
1.	Examination of constitutional karyotype	Conventional cytogenetic analysis	Published procedure	Biological material containing human DNA	A, B, D
2.	Examination of constitutional chromosomal aberrations	FISH	Published procedure	Biological material containing human DNA	A, B, D
3.	Examination of germline genome variants	PCR-RFLP	Published procedure	Biological material containing human DNA	A, B, C, D
4.	Examination of germline genome variants	Multiplex PCR	Published procedure	Biological material containing human DNA	A, B, C, D
5.	Examination of germline genome variants	Reverse hybridization	Commercial procedure	Biological material containing human DNA	A, B, C, D
6.	Examination of germline genome variants	PCR – capillary electrophoresis	Commercial procedure	Biological material containing human DNA	A, B, C, D
7.	Examination of germline genome variants	Real-Time PCR	Commercial procedure	Biological material containing human DNA	A, B, C, D
8.	Examination of germline genome variants	Sanger sequencing	Published procedure; In-house procedure	Body fluids	A, B, C, D
9.	Examination of germline genome variants	NGS	Published procedure; In-house procedure	Body fluids	A, B, C, D

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Ordinal number	Examination procedure name	Principle of examination	Identification of procedure/ equipment	Examined material	Degrees of freedom <sup>1</sup>
10.	Fragile X syndrome	TP-PCR	Commercial procedure	Body fluids	A, B, D
11.	Examination of germline genome variants	MLPA	Commercial procedure	Body fluids	A, B, C, D
12.	Examination of germline genome variants	aCGH	Commercial procedure	Biological material containing human DNA	A, B, C, D
13.	Non-invasive prenatal testing (NIPT)	NGS	Commercial procedure	Body fluids	A, B, C, D
14.	Examination of HLA system	SSP-PCR	Commercial procedure	Body fluids	A, B, C, D

**Explanatory notes:**

<sup>1</sup> Established degrees of freedom according to MPA 00-09-...:

A – Flexibility concerning the documented examination/ sample collection procedure

B – Flexibility concerning the technique

C – Flexibility concerning the analytes / parameters

D – Flexibility concerning the examined material

If no degree of freedom is specified, the laboratory cannot apply a flexible approach to the scope of accreditation for this examination.

aCGH                      array Comparative Genome Hybridization

FISH                        Fluorescent In Situ Hybridization

MLPA                        Multiplex Ligation-dependent Probe Amplification

NGS                         Massive Parallel Sequencing

PCR                         Polymerase Chain Reaction

Real-Time PCR         Quantitative Polymerase Chain Reaction

RFLP                        Restriction Fragment Length Polymorphism

SSP-PCR                  Polymerase Chain Reaction with Sequence Specific Primers

TP-PCR                    Triplet Primed Repeat PCR