The Appendix is an integral part of
Certificate of Accreditation No. 319/2023 of 15/06/2023

Accredited entity according to ČSN EN ISO 15189:2013:

Cytogenetická laboratoř Brno, s.r.o.
CAB Number 8067, Cytogenetic Laboratory Brno
Veveří 476/39, 602 00 Brno - střed

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.cytogenetika.cz/ke-stazeni/

Examinations:

Ordinal Number	Analyte/ parameter/diagnostics	Principle of examination	Identification of method procedure/ equipment	Examined material	Degrees of freedom[1]
816 – Medical Genetics Laboratory					
1.	Examination of constitutional karyotype	Conventional cytogenetic analysis	Commercial procedure	Amniotic fluid, peripheral blood, umbilical blood, chorionic villi, tissue of aborted fetus, cultivated tissue culture	A
2.	Examination of germline genome variants	PCR-fragment analysis	Commercial procedure	Biological material containing nuclear DNA, RNA	A,B,C,D
3.	Examination of germline genome variants	PCR-fragment analysis	Commercial procedure	Biological material containing nuclear DNA, RNA	A,B,C,D
4.	Examination of germline genome variants	NGS-MPS	Commercial procedure	Biological material containing nuclear DNA, RNA	A,B,C,D
5.	Examination of germline genome variants	HRM	Commercial procedure	Biological material containing nuclear DNA, RNA	A,B,C,D

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Ordinal Number	Analyte/ parameter/diagnostics	Principle of examination	Identification of method procedure/ equipment	Examined material	Degrees of freedom[1]
6.	Examination of germline genome variants	MLPA	Commercial procedure	Biological material containing nuclear DNA, RNA	A,B,C,D
7.	Examination of unbalanced chromosomal aberrations	Comparative genomic hybridization on a biochip	Commercial procedure	Biological material containing nuclear DNA, RNA	A,B,C,D
8.	Non-invasive prenatal test (NIPT) of genomic variants	NGS-MPS	Commercial procedure	Biological material containing nuclear DNA, RNA	A,B,C,D
9.	Examination of germline genome variants	dTP-PCR	Commercial procedure	Biological material containing nuclear DNA, RNA	A,B,C,D
10.	Examination of germline genome variants	RealTime PCR	Commercial procedure	Biological material containing nuclear DNA, RNA	A,B,C,D

Explanatory notes:

[1] 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.

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MLPA	Multiplex Ligation-Dependent Probe Amplification
NGS-MPS	Massive parallel sequencing (Next Generation Sequencing – NGS)
HRM	High Resolution Melting Curve Analysis
QF PCR	Quantitative Fluorescence Polymerase Chain Reaction
ARMS	Allele-specific amplification
Real-Time PCR	Real-Time Polymerase Chain Reaction
dTP-dCR	Direct Triplet-Primed PCR method