

**The Appendix is an integral part of  
Certificate of Accreditation No. 374/2023 of 13/07/2023**

Accredited entity according to ČSN EN ISO 15189:2013:

**GENNET, s.r.o.**  
CAB Number 8068, GENNET Laboratories  
Kostelní 292/9, 170 00 Praha 7

**Medical laboratory locations:**

- |    |   |                                   |
|----|---|-----------------------------------|
| 1. | <b>Molecular Genetics Laboratory</b>      | Pekařská 635/6, 158 00 Praha 5    |
| 2. | <b>Cytogenetics Laboratory - Pekařská</b> | Pekařská 635/6, 158 00 Praha 5    |
| 3. | <b>PGT Laboratory</b>                     | Pekařská 635/6, 158 00 Praha 54.  |
|    | <b>Cytogenetics Laboratory – Liberec</b>  | Liliová 118/1, 460 01 Liberec     |
| 5. | <b>IVF Laboratory – Liberec</b>           | Liliová 118/1, 460 01 Liberec     |
| 6. | <b>IVF Laboratory – Letná</b>             | Kostelní 292/9, 170 00 Praha 7    |
| 7. | <b>IVF Laboratory – Archa</b>             | Na Poříčí 1046/24, 110 00 Praha 1 |
| 8. | <b>Immunology Laboratory</b>              | Na Poříčí 1046/24, 110 00 Praha 1 |

*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 [www.gennet.cz/dokumenty-k-akreditaci-laboratori](http://www.gennet.cz/dokumenty-k-akreditaci-laboratori) and [www.gntlabs.cz/en/accreditation](http://www.gntlabs.cz/en/accreditation)*

**1. Molecular Genetics Laboratory**

**Examinations:**

Ordinal Number	Analyte/parameter/diagnostics	Principle of examination	Identification of procedure/ equipment	Examined material	Degrees of freedom <sup>1</sup>
<b>816 – Medical Genetics Laboratory</b>					
1.	Examination of germline genomic variants	Real-Time PCR	Commercial procedure; In-house procedure	Biological material containing genomic DNA	A, B, C, D
2.	Examination of germline genomic variants	PCR followed by fragment analysis	Commercial procedure; In-house procedure	Biological material containing genomic DNA	A, B, C, D
3.	Examination of germline genomic variants	PCR followed by sequencing analysis	In-house procedure	Biological material containing genomic DNA	A, B, C, D
4.	Examination of germline genomic variants	NGS	In-house procedure	Biological material containing genomic DNA	A, B, C, D
5.	Non-invasive prenatal test of chromosomal aneuploidies (NIPT)	NGS	In-house procedure	Peripheral blood	A, B, C



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**2. Cytogenetics Laboratory - Pekařská**

**Examinations:**

Ordinal Number	Analyte/parameter/diagnostics	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	Cytogenetic analysis of G-banded slides	Published procedure	Peripheral blood, umbilical blood, amniotic fluid, chorionic villi	A, B
2.	Examination of chromosomal aberrations	FISH	Commercial procedure; Published procedure	Peripheral blood, umbilical blood, amniotic fluid, chorionic villi	A, B
3.	Examination of unbalanced chromosomal aberrations and germinal genome	SNP array	Commercial procedure	Biological material containing genomic DNA	A, B



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**3. PGT Laboratory**

**Examinations:**

Ordinal Number	Analyte/ parameter/diagnostics	Principle of examination	Identification of procedure/ equipment	Examined material	Degrees of freedom <sup>1</sup>
<b>816 – Medical Genetics Laboratory</b>					
1.	Preimplantation genetic testing of monogenic diseases and aneuploidies	Karyomapping	Commercial procedure; In-house procedure	Biological material containing genomic DNA	A, B, C, D
2.	Preimplantation genetic testing of aneuploidies	NGS	In-house procedure	Biological material containing genomic DNA	A, B, C, D

**4. Cytogenetics Laboratory - Liberec**

**Examinations:**

Ordinal Number	Analyte/ parameter/diagnostics	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	Cytogenetic analysis of G-banded slides	Published procedure	Peripheral blood, umbilical blood	A, B

**5. IVF Laboratory – Liberec**

**Examinations:**

Ordinal Number	Analyte/ parameter/diagnostics	Principle of examination	Identification of procedure/ equipment	Examined material	Degrees of freedom <sup>1</sup>
<b>Laboratory examinations for IVF</b>					
1.	Evaluation of ejaculate	Microscopic; Macroscopic	Published procedure	Human semen - ejaculate	A, B



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**6. IVF Laboratory – Letná**

**Examinations:**

Ordinal Number	Analyte/ parameter/diagnostics	Principle of examination	Identification of procedure/ equipment	Examined material	Degrees of freedom <sup>1</sup>
<b>Laboratory examinations for IVF</b>					
1.	Evaluation of ejaculate	Microscopic; Macroscopic	Published procedure	Human semen - ejaculate	A, B

**7. IVF Laboratory – Archa**

**Examinations:**

Ordinal Number	Analyte/ parameter/diagnostics	Principle of examination	Identification of procedure/ equipment	Examined material	Degrees of freedom <sup>1</sup>
<b>Laboratory examinations for IVF</b>					
1.	Evaluation of ejaculate	Microscopic; Macroscopic	Published procedure	Human semen - ejaculate	A, B



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8. Immunology Laboratory

Examinations:

Ordinal Number	Analyte/ parameter/diagnostics	Principle of examination	Identification of procedure/ equipment	Examined material	Degrees of freedom <sup>1</sup>
<b>813 - Allergology and Immunology Laboratory</b>					
1.	Immunoglobulins	Immunoturbidimetry	Commercial procedure	Serum, plasma	A, B, C
2.	Specific Proteins	Immunoturbidimetry	Commercial procedure	Serum, plasma	A, B, C
3.	Autoantibodies	Immunoassays with fluorimetric detection	Commercial procedure	Serum, plasma	A, B, C
4.	Autoantibodies	Indirect immunofluorescence	Commercial procedure	Serum, plasma	A, B, C
5.	Specific IgE	Immunoassays with fluorimetric detection	Commercial procedure	Serum, plasma	A, B, C
6.	Immunophenotyping of cell subpopulations	Flow cytometry	Commercial procedure	Blood	A, B, C
7.	Anti-Müllerian hormone (AMH)	Immunoassay with luminometric detection	Commercial procedure	Serum, plasma	A



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**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.

PCR	Polymerase Chain Reaction
Real-Time PCR	Real-Time Polymerase Chain Reaction
NGS	Next Generation Sequencing, also known as massively parallel sequencing
FISH	Fluorescent In Situ Hybridization
SNP Array	Whole genome screening utilizing the known single-nucleotide-polymorphism

