

**The Appendix is an integral part of
Certificate of Accreditation No 164/2024 of 10/04/2024**

Accredited entity according to ČSN EN ISO 15189 ed. 2:2013:

Krajská nemocnice Liberec, a.s.
CAB Number 8306, PATOS Center – Laboratories
Husova 1430/34, Liberec I-Staré Město, 460 01 Liberec

Medical laboratory locations:

1. **PAT – Department of Pathology** Husova 1430/34, 460 01 Liberec 1
2. **TOXI – Department of Forensic Medicine
and Toxicology** Husova 1430/34, 460 01 Liberec 1
3. **OGMD – Department of Genetics and Molecular
Diagnostics** Husova 1430/34, 460 01 Liberec 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 [Centrum PATOS – Krajská nemocnice Liberec \(nemlib.cz\)](http://CentrumPATOS-KrajskaNemocniceLiberec.nemlib.cz)

1. PAT – Department of Pathology

Examinations:

| Ordinal Number | Analyt / Analyte/ parameter/diagnostics | Principle of examination | Identification of procedure/ equipment | Examined material | Degrees of freedom ¹ |
|-----------------------------------|---|--------------------------|---|-------------------|---------------------------------|
| 823 - Pathology Laboratory | | | | | |
| 1. | Histological examination of tissue and diagnostics | Microscopy | Published procedure; In-house procedure | Tissues | A, B |
| 2. | Cytological examination and diagnostics | Microscopy | Published procedure; In-house procedure | Cells | A, B |
| 3. | Immunohistochemical and immunocytochemical examination of antigens | Microscopy | Commercial procedure; Published procedure; In-house procedure | Tissues and cells | A, B, C |
| 4. | Peroperational histological and cytological examination and diagnostics | Microscopy | Published procedure; In-house procedure | Tissues and cells | A, B |
| 5. | Examination of histological and cytological samples | In-situ hybridization | Commercial procedure; Published procedure; In-house procedure | Tissues and cells | A, B, C |

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| Ordinal Number | Analyt / Analyte/ parameter/diagnostics | Principle of examination | Identification of procedure/ equipment | Examined material | Degrees of freedom¹ |
|-----------------------|--|-------------------------------------|---|--|---|
| 6. | Examination of somatic genome variants | Real-Time PCR | Commercial procedure | Biological material containing human tumor DNA/RNA | A, B, C, D |
| 7. | Examination of somatic genome variants | Real-Time PCR | Commercial procedure | Biological material containing human tumor DNA/RNA | A, B, C, D |
| 8. | Examination of somatic genome variants | PCR with reverse hybridization | Commercial procedure | Biological material containing human tumor DNA/RNA | A, B, C, D |
| 9. | Examination of somatic genome variants | NGS-MPS | Commercial procedure | Biological material containing human tumor DNA/RNA | A, B, C, D |

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2. TOXI – Department of Forensic Medicine and Toxicology

Examinations:

| Ordinal Number | Analyte/ parameter/diagnostics | Principle of examination | Identification of procedure/ equipment | Examined material | Degrees of freedom¹ |
|---------------------------------------|---|--|---|--------------------------|---|
| 814 - Toxicological Laboratory | | | | | |
| 1. | Ethyl alcohol | GC-FID | In-house procedure | Blood, serum, urine | A, B |
| 2. | Ethyl alcohol | Enzymatic method with alcohol dehydrogenase | Commercial procedure | Blood, serum, urine | A, B |
| 3. | Screening nox | Immunochemical test | Commercial procedure | Urine | A, B, C |
| 4. | Detection of volatile substances | GC-FID | In-house procedure | Blood, serum, urine | A, B |

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3. OGMD – Department of Genetics and Molecular Diagnostics

Examinations:

| Ordinal Number | Analyte/parameter/diagnostics | Principle of examination | Identification of procedure/ equipment | Examined material | Degrees of freedom¹ |
|--|---|---------------------------------|---|--|---------------------------------------|
| 802 – Medical Microbiology | | | | | |
| 1. | Detection of nucleic acids of infectious agents | Real-Time PCR | Commercial procedure | Clinical material | A, B, C, D |
| 816 – Medical Genetics Laboratory | | | | | |
| 1. | Examination of germline genome variants | Real-Time PCR | Commercial procedure | Biological material containing human 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.

NGS-MPS Massively parallel sequencing

GC-FID Gas Chromatography with Flame Ionization Detection

Real-Time PCR Real-Time Polymerase Chain Reaction