

**The Appendix is an integral part of  
Certificate of Accreditation No 160/2024 of 08/04/2024**

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

**Krajská nemocnice Liberec, a.s.**  
CAB Number 8237, Centrum laboratorní medicíny (CLM)  
Husova 1430/34, Liberec I - Staré Město, 460 01 Liberec

**Medical laboratory locations:**

- |    |   |   |
|----|---|---|
| 1. | <b>OKH - Clinical Haematology Department</b>                  | Baarova 526/15, Liberec I – Staré Město, 460 01 Liberec |
| 2. | <b>TO - Transfusion Department</b>                            | Baarova 526/15, Liberec I – Staré Město, 460 01 Liberec |
| 3. | <b>OKB - Department of Clinical Biochemistry</b>              | Husova 1430/34, Liberec I – Staré Město, 460 01 Liberec |
| 4. | <b>OKMI - Clinical Microbiology and Immunology Department</b> | Husova 1430/34, Liberec I – Staré Město, 460 01 Liberec |
| 5. | <b>Laboratory of Clinical Biochemistry and Haematology</b>    | Nemocnice Frýdlant, V Úvoze 860, 464 01 Frýdlant        |

*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.nemlib.cz/centrum-laboratorni-mediciny/>*

**1. OKH - Clinical Haematology Department**

**Examinations:**

Ordinal Number	Analyte/parameter/diagnostics	Principle of examination	Identification of procedure/ equipment	Examined material	Degrees of freedom <sup>1</sup>
<b>818 - Haematology Laboratory</b>					
1.	Blood count	Flow cytometry; Impedance method; Photometry; Calculations	Commercial procedure	Blood	A, B, C
2.	Blood count with a with a five-part differential leukocyte count	Flow cytometry; Impedance method; Photometry; Calculations	Commercial procedure	Blood	A, B
3.	Differential leukocyte count	Microscopy	Published procedure	Blood	A, B
4.	Differential leukocyte count	Digital microscopy	Published procedure	Blood	A, B



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Ordinal Number	Analyte/parameter/diagnostics	Principle of examination	Identification of procedure/ equipment	Examined material	Degrees of freedom <sup>1</sup>
5.	Prothrombin test	Coagulation method with optical detection of coagulum; Calculations	Commercial procedure	Plasma	A, B
6.	Activated partial thromboplastin time	Coagulation method with optical detection of coagulum; Calculations	Commercial procedure	Plasma	A, B
7.	Fibrinogen	Coagulation method with optical detection of coagulum	Commercial procedure	Plasma	A, B
8.	Antithrombin	Chromogenic method	Commercial procedure	Plasma	A, B
9.	D-dimers	Immunoassay with turbidimetric detection	Commercial procedure	Plasma	A, B



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2. TO - Transfusion Department

Examinations:

Ordinal Number	Analyte/parameter/diagnostics	Principle of examination	Identification of procedure/ equipment	Vyšetřovaný materiál	Stupně volnosti <sup>1</sup>
<b>222 - Transfusion Medicine</b>					
1.	Blood type	Agglutination in test tubes	Commercial procedure	Blood	A, B
2.	Blood type	Gel column agglutination	Commercial procedure	Blood	A, B, C
3.	Screening of anti-erythrocyte antibodies	Gel column agglutination	Commercial procedure	Plasma, serum	A, B
4.	Examination of compatibility	Gel column agglutination	Commercial procedure	Plasma, serum	A, B



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3. OKB - Department of Clinical Biochemistry

Examinations:

Ordinal Number	Analyte/parameter/diagnostics	Principle of examination	Identification of procedure/equipment	Examined material	Degrees of freedom <sup>1</sup>
<b>801 – Clinical Biochemistry</b>					
1.	Minerals	Potentiometry	Commercial procedure	Body fluids	A, B, C, D
2.	Non-protein nitrogenous substances	Absorption spectrophotometry	Commercial procedure	Body fluids	A, B, C, D
3.	Saccharides	Absorption spectrophotometry	Commercial procedure	Body fluids	A, B, C, D
4.	Total bilirubin	Absorption spectrophotometry	Commercial procedure	Serum, plasma	A, B
5.	Enzymes	Absorption spectrophotometry	Commercial procedure	Serum, plasma	A, B, C
6.	Lipids	Absorption spectrophotometry	Commercial procedure	Serum, plasma	A, B, C
7.	Glycated haemoglobin	High-Performance Liquid Chromatography	Commercial procedure	Blood	A, B
8.	Cardiac markers	Immunoassay with luminometric detection	Commercial procedure	Serum, plasma	A, B, C
9.	Acid-base balance	Potentiometry; Amperometry	Commercial procedure	Blood	A, B, C
<b>813 - Allergology and Immunology Laboratory</b>					
1.	Proteins	Immunoturbidimetry	Commercial procedure	Body fluids	A, B, C, D
2.	Immunoglobulins	Immunoturbidimetry	Commercial procedure	Body fluids	A, B, C, D

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Ordinal Number	Analyte/parameter/diagnostics	Principle of examination	Identification of procedure/equipment	Examined material	Degrees of freedom <sup>1</sup>
<b>815 - Nuclear Medicine Laboratory</b>					
1.	Tumour markers	Immunoassay with luminometric detection	Commercial procedure	Serum, plasma	A, B, C
2.	Hormones	Immunoassay with luminometric detection	Commercial procedure	Serum, plasma	A, B, C
3.	Markers for the calculation of the risk of congenital developmental defects	Immunoassay with luminometric detection	Commercial procedure	Body fluids	A, B, C, D
4.	Immunoglobulins	Immunoassay with luminometric detection	Commercial procedure	Body fluids	A, B, C, D

**Primary sample collection:**

Ordinal Number	Sample collection technique	Identification of sample collection procedure	Collected material	Degrees of freedom <sup>1</sup>
1.	Fingerstick	Published procedure	Capillary blood	A, B
2.	Venepuncture	Published procedure	Venous blood	A, B



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**4. OKMI - Clinical Microbiology and Immunology Department**

**Examinations:**

Ordinal Number	Analyte/parameter/diagnostics	Principle of examination	Identification of procedure/ equipment	Examined material	Degrees of freedom <sup>1</sup>
<b>802 – Medical Microbiology</b>					
1.	Microbiological examination of urine, quantitative	Aerobic culture	Published procedure	Urine	A, B
2.	Microbiological examination of urine	Aerobic culture; Microscopy	Published procedure	Clinical material	A, B, D
3.	Microbiological examination of blood and primarily sterile body fluids	Aerobic culture; Anaerobic culture (automatic)	Published procedure; Commercial procedure	Clinical material	A, B, C, D
4.	Microbiological examination of upper respiratory tract	Aerobic culture	Published procedure	Clinical material	A, B, C, D
5.	Microbiological examination of lower respiratory tract	Aerobic culture; Anaerobic culture; Microscopy	Published procedure	Clinical material	A, B, C, D
6.	Microbiological examination of lower respiratory tract	Aerobic culture; Microscopy	Published procedure	Clinical material	A, B, C, D
7.	Microbiological examination of lower respiratory tract	Aerobic culture	Published procedure	Clinical material	A, B, C, D
8.	Microbiological examination for mycobacteria	Aerobic culture; Microscopy; Fluorescence microscopy	Published procedure; Commercial procedure	Clinical material	A, B, D
9.	Microbiological examination for mycobacteria	Aerobic culture	Published procedure	Clinical material	A, B, D
10.	Identification of mycobacteria	Phenotyping	Published procedure	Clinical material	A, B, D

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Ordinal Number	Analyte/parameter/diagnostics	Principle of examination	Identification of procedure/ equipment	Examined material	Degrees of freedom <sup>1</sup>
11.	Microbiological examination of stool and rectal swab	Aerobic culture; Anaerobic culture	Published procedure	Stool, rectal swab	A, B
12.	Microbiological examination of clinical material	Aerobic culture	Published procedure	Clinical material	A, B, C, D
13.	Microbiological examination of clinical material	Anaerobic culture; Aerobic culture; Microscopy	Published procedure	Clinical material	A, B, C, D
14.	Microbiological examination of clinical material	Anaerobic culture; Aerobic culture	Published procedure	Clinical material	A, B, C, D
15.	Mycological examination of clinical material	Aerobic culture; Microscopy	Published procedure	Clinical material	A, B, C, D
16.	Microbiological examination for mycobacteria	Aerobic culture (automatic)	Published procedure; Commercial procedure	Clinical material	A, B, C, D
17.	Microbiological examination of urogenital tract	Aerobic culture; Microscopy	Published procedure	Clinical material	A, B, D
18.	Detection of <i>Neisseria gonorrhoeae</i>	Aerobic culture; Microscopy	Published procedure	Clinical material	A, B, D
19.	Identification of microorganism	Phenotyping	Published procedure	Bacterial culture/isolate	A, B
20.	Identification of microorganism	Agglutination	Published procedure	Bacterial culture/isolate	A, B
21.	Identification of microorganism	Mass spectrometry	Commercial procedure	Clinical material	A, B, D
22.	Qualitative examination of susceptibility of microorganism	Disk diffusion test	Published procedure	Microbiological culture	A, B, D



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Ordinal Number	Analyte/parameter/diagnostics	Principle of examination	Identification of procedure/ equipment	Examined material	Degrees of freedom <sup>1</sup>
23.	Quantitative examination of susceptibility of microorganism	E-test	Published procedure	Microbiological culture	A, B, D
24.	Microbiological examination of cerebrospinal fluid	Aerobic culture; Microscopy	Published procedure	CSF	A, B
25.	Microbiological examination of foreign bodies	Aerobic culture; Anaerobic culture	Published procedure	Foreign bodies	A, B, C, D
26.	Microbiological examination of foreign bodies	Aerobic culture; Anaerobic culture; Microscopy	Published procedure	Foreign bodies	A, B, C, D
27.	Antibodies to leptospire	Microscopic agglutination test	Published procedure	Serum, plasma	A, B, C
28.	Parasitological examination of stool	Microscopy	Published procedure	Stool	A, B, C
29.	Enterobiosis examination	Microscopy	Published procedure	Perianal smear or imprint	A, B
30.	Morphological identification of the parasite	Macroscopic identification	Published procedure	Suspicious entity	A, B, D
31.	Antibodies to infectious agents	Immunoassay with photometric detection	Commercial procedure	Serum, plasma	A, B, C
32.	Antibodies to infectious agents	Indirect immunofluorescence	Published procedure; Commercial procedure	Serum, plasma	A, B, C
33.	Antibodies to infectious agents	Immunoassay with luminometric detection	Commercial procedure	Serum, plasma	A, B, C
34.	Antigens of infectious agents	Immunoassay with luminometric detection	Commercial procedure	Clinical material	A, B, C, D





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Ordinal Number	Analyte/parameter/diagnostics	Principle of examination	Identification of procedure/equipment	Examined material	Degrees of freedom <sup>1</sup>
35.	Reagin test	Agglutination	Published procedure	Serum, plasma	A, B
<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	Indirect immunofluorescence	Published procedure; Commercial procedure	Serum, plasma	A, B, C
4.	Immunophenotyping of leukocytes	Flow cytometry	Commercial procedure	Blood	A, B, C
5.	Specific IgE	Immunoassay with fluorimetric detection	Commercial procedure	Serum, plasma	A, B, C
6.	Antibodies to <i>Saccharomyces cerevisiae</i>	Immunoassay with photometric detection	Commercial procedure	Serum, plasma	A, B

**Primary sample collection:**

Ordinal Number	Sample collection technique	Identification of sample collection procedure	Collected material	Degrees of freedom <sup>1</sup>
1.	Smear	Published procedure	Smears of skin, soft tissue, ear, eye, perianal smear, smears (of lesions, pus, etc.), smears of skin pustulae and blisters, smear of nail plate	A, B
2.	Swab	Published procedure	Nasal, nasopharyngeal, cervical, laryngeal, eye, ear, vaginal, cervical, urethral, rectal, vaginorectal, urogenital swab	A, B
3.	Collection	Published procedure	Nails, skin flakes, hair, samples of skin flakes, hair, samples from fingernails, toenails	A, B
4.	Scraping	Published procedure	Skin scraping, nail scraping	A, B



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Ordinal Number	Sample collection technique	Identification of sample collection procedure	Collected material	Degrees of freedom <sup>1</sup>
5.	Fingerstick	Published procedure	Capillary blood	A, B

**5. Laboratory of Clinical Biochemistry and Haematology**

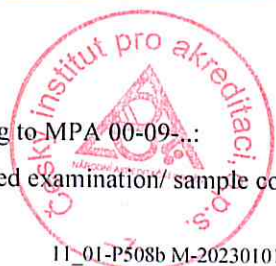
**Examinations:**

Ordinal Number	Analyte/parameter/diagnostics	Principle of examination	Identification of procedure/ equipment	Examined material	Degrees of freedom <sup>1</sup>
<b>801 – Clinical Biochemistry</b>					
1.	Minerals	Potentiometry	Commercial procedure	Body fluid	A, B, C, D
2.	Non-protein nitrogenous substances	Absorption spectrophotometry	Commercial procedure	Body fluid	A, B, C, D
3.	Saccharides	Absorption spectrophotometry	Commercial procedure	Body fluid	A, B, C, D
4.	Total bilirubin	Absorption spectrophotometry	Commercial procedure	Serum, plasma	A, B
5.	Enzymes	Absorption spectrophotometry	Commercial procedure	Serum, plasma	A, B, C
6.	Lipids	Absorption spectrophotometry	Commercial procedure	Serum, plasma	A, B, C
7.	Glycated haemoglobin	High-Performance Liquid Chromatography	Commercial procedure	Blood	A, B
<b>815 - Nuclear Medicine Laboratory</b>					
1.	Hormones	Immunoassay with luminometric detection	Commercial procedure	Serum, plasma	A, B, C

**Explanatory notes:**

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

A – Flexibility concerning the documented examination/ sample collection procedure



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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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