

**The Appendix is an integral part of
Certificate of Accreditation No. 239/2024 of 29/05/2024**

Accredited entity according to ČSN EN ISO 15189 ed 3:2023:

Nemocnice Na Homolce
CAB Number 8126, Clinical Biochemistry, Hematology and Immunology
Roentgenova 37/2, 150 30 Praha 5, Motol

Medical laboratory locations:

- | | | |
|----|--|-------------------------------------|
| 1. | Biochemistry | Roentgenova 37/2, 150 30 Praha 5 |
| 2. | Haematology | Roentgenova 37/2, 150 30 Praha 5 |
| 3. | Immunology | Roentgenova 37/2, 150 30 Praha 5 |
| 4. | Laboratory of Molecular Diagnostics | Pod Kotlářkou 34/34, 150 30 Praha 5 |
| 5. | Blood bank | Roentgenova 37/2, 150 30 Praha 5 |

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.homolka.cz/nase-oddeleni/11635-diagnosticky-program/11635-odd-klinicke-biochemie-hematologie-a-imunologie-okbhi/11814-laboratorni-prirucka-okbhi/>

1. Biochemistry

Examinations:

Ordinal Number	Analyte/parameter/diagnostics	Principle of examination	Identification of procedure/equipment	Examined material	Degrees of freedom ¹
801 – Clinical Biochemistry					
1.	Minerals	Potentiometry	Commercial procedure	Plasma	A, B, C
2.	Non-protein nitrogenous substances	Absorption spectrophotometry	Commercial procedure	Plasma	A, B, C
3.	Enzymes	Absorption spectrophotometry	Commercial procedure	Plasma	A, B, C
4.	Minerals	Absorption spectrophotometry	Commercial procedure	Plasma	A, B, C
5.	Proteins	Absorption spectrophotometry	Commercial procedure	Plasma	A, B, C
6.	Saccharides	Absorption spectrophotometry	Commercial procedure	Plasma	A, B, C
7.	Lipids	Absorption spectrophotometry	Commercial procedure	Plasma	A, B, C
8.	Pigments	Absorption spectrophotometry	Commercial procedure	Plasma	A, B, C

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Ordinal Number	Analyte/ parameter/diagnostics	Principle of examination	Identification of procedure/equipment	Examined material	Degrees of freedom¹
9.	Prostate-specific antigen - free (fPSA)	Immunoassay with luminometric detection	Commercial procedure	Serum	A, B
815 - Nuclear Medicine Laboratory					
1.	Hormones	Immunoassay with luminometric detection	Commercial procedure	Serum	A, B, C
2.	Tumor markers	Immunoassay with luminometric detection	Commercial procedure	Serum	A, B, C

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2. Haematology

Examinations:

Ordinal Number	Analyte/parameter/diagnostics	Principle of examination	Identification of procedure/equipment	Examined material	Degrees of freedom ¹
818 - Haematology Laboratory					
1.	Blood count with a five-part differential Leukocyte count	Flow cytometry; Impedance method; Photometry; Calculations	Commercial procedure	Blood	A, B
2.	Prothrombin test	Coagulation method with optical detection of coagulum	Commercial procedure	Plasma	A, B
3.	Activated partial thromboplastin time	Coagulation method with optical detection of coagulum	Commercial procedure	Plasma	A, B
4.	Fibrinogen	Coagulation method with optical detection of coagulum	Commercial procedure	Plasma	A, B
5.	Antitrombin	Absorption spectrophotometry	Commercial procedure	Plasma	A, B
6.	D-dimers	Immunoturbidimetry	Commercial procedure	Plasma	A, B

Primary sample collection:

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

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3. Immunology

Examinations:

Ordinal Number	Analyte/ parameter/diagnostics	Principle of examination	Identification of procedure/equipment	Examined material	Degrees of freedom ¹
813 - Allergology and Immunology Laboratory					
1.	Immunoglobulins	Immunoturbidimetry	Commercial procedure	Serum	A, B, C
2.	Specific proteins	Immunoturbidimetry	Commercial procedure	Serum	A, B, C
3.	Immunoglobulin E	Immunoassay with fluorimetric detection	Commercial procedure	Serum	A, B
4.	Specific IgE	Immunoassay with fluorimetric detection	Commercial procedure	Serum	A, B, C
5.	Autoantibodies	Immunoassay with photometric detection	Commercial procedure	Serum	A, B, C
6.	Autoantibodies	Indirect immunofluorescence	Commercial procedure	Serum	A, B, C

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4. Laboratory of Molecular Diagnostics

Examinations:

Ordinal Number	Analyte/ parameter/diagnostics	Principle of examination	Identification of procedure/equipment	Examined material	Degrees of freedom¹
816 – Medical Genetics Laboratory					
1.	Examination of germline genome variants	PCR - HRM	In-house procedure	Biological material containing nucleic acid	A, B, C, D

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5. Blood bank

Examinations:

Ordinal Number	Analyte/ parameter/diagnostics	Principle of examination	Identification of procedure/equipment	Examined material	Degrees of freedom ¹
222 - Transfusion Medicine					
1.	Blood type	Gel column agglutination	Commercial procedure	Blood	A, B
2.	Examination of compatibility	Gel column agglutination	Commercial procedure	Plasma, serum	A, B
3.	Screening of anti-erythrocyte antibodies	Gel column agglutination	Commercial procedure	Plasma, serum	A, B
4.	Direct antiglobulin test	Gel column agglutination	Commercial procedure	Blood	A, B

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.

PCR – HRM Polymerase Chain Reaction - High Resolution Melting

"This document is an appendix to the certificate of accreditation. In case of any discrepancies between the English and Czech versions, the Czech version shall prevail, both for the certificate appendix and the certificate itself. "