



The Appendix is an integral part of  
Certificate of Accreditation No.136/2023 of 27/03/2023

Accredited entity according to ČSN EN ISO 15189:2013:

**Nemocnice Na Homolce**

CAB Number 8126, OKBHI - Department of Clinical Biochemistry, Hematology and Immunology  
Roentgenova 37/2, 150 30 Praha 5

**Medical Laboratory Sites:**

- |  |                                  |
|--|----------------------------------|
| 1. <b>Biochemistry</b>                     | Roentgenova 37/2, 150 30 Praha 5 |
| 2. <b>Haematology</b>                      | Roentgenova 37/2, 150 30 Praha 5 |
| 3. <b>Immunology</b>                       | Roentgenova 37/2, 150 30 Praha 5 |
| 4. <b>Molecular Diagnostics Laboratory</b> | Pod Kotlářkou 34, 150 30 Praha 5 |
| 5. <b>Blood bank</b>                       | 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 <sup>1</sup>
<b>801 – Clinical Biochemistry</b>					
1.	Ions	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.	Ions	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



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Ordinal Number	Analyte/ parameter/diagnostics	Principle of examination	Identification of procedure/ equipment	Examined material	Degrees of freedom <sup>1</sup>
8.	Pigments	Absorption spectrophotometry	Commercial procedure	Plasma	A, B, C
9.	Free prostate-specific antigen (fPSA)	Immunoassay with luminometric detection	Commercial procedure	Serum	A, B
<b>815 - Nuclear Medicine Laboratory</b>					
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 <sup>1</sup>
<b>818 - Haematology Laboratory</b>					
1.	Blood count with five- population differential leukocyte count	Impedance measurement with hydrodynamic focusing  Absorption spectrophotometry  Flow cytometry with hydrodynamic focusing	Commercial procedure	Blood	A, B
2.	Prothrombin time	Coagulation method with optical detection of coagulum	Commercial procedure	Plasma	A, B
3.	Activated partial thromboplastin test	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.	Antithrombin	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 <sup>1</sup>
1.	Venipuncture	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 <sup>1</sup>
<b>813 - Allergology and Immunology Laboratory</b>					
1.	Immunoglobulins	Immunoturbidimetry	Commercial procedure	Serum	A, B, C
2.	Specific proteins	Immunoturbidimetry	Commercial procedure	Serum	A, B, C
3.	Total immunoglobulin E	Immunoassays with fluorimetric detection	Commercial procedure	Serum	A, B
4.	Specific immunoglobulin E	Immunoassays with fluorimetric detection	Commercial procedure	Serum	A, B, C
5.	Autoantibody	Immunoassays with photometric detection	Commercial procedure	Serum	A, B, C
6.	Autoantibody	Indirect immunofluorescence	Commercial procedure	Serum	A, B, C



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4. **Molecular Diagnostics 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.	Germline testing	PCR - HRM	In-house method	Blood, isolated DNA	A, B, C



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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 <sup>1</sup>
<b>222 - Transfusion Medicine</b>					
1.	Blood type	Column agglutination with glass beads	Commercial procedure	Blood	A, B
2.	Blood type	Column agglutination with glass beads (manually)	Commercial procedure	Blood	A, B
3.	Blood compatibility testing	Column agglutination with glass beads	Commercial procedure	Blood	A, B
4.	Blood compatibility testing	Column agglutination with glass beads (manually)	Commercial procedure	Blood	A, B
5.	Antierythrocyte antibody screening	Column agglutination with glass beads	Commercial procedure	Blood	A, B
6.	Antierythrocyte antibody screening	Column agglutination with glass beads (manually)	Commercial procedure	Blood	A, B
7.	Direct antiglobulin test	Column agglutination with glass beads	Commercial procedure	Blood	A, B
8.	Direct antiglobulin test	Column agglutination with glass beads (manually)	Commercial procedure	Blood	A, B



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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.

HRM(A) - high resolution melting analysis