

**The Appendix is an integral part of  
Certificate of Accreditation No. 174/2025 of 10/04/2025**

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

**Fakultní nemocnice Olomouc**  
CAB Number 8254, Clinical Biochemistry Department Laboratories  
Zdravotníků 248/7, 779 00 Olomouc

**Medical laboratory locations:**

1. **Clinical Biochemistry Department Laboratories, Pavilion "I"**  
Zdravotníků 248/7, 779 00 Olomouc
2. **Clinical Biochemistry Department Laboratories - Laboratory for Hereditary Metabolic Disorders, Pavilion "Q"**  
Zdravotníků 248/7, 779 00 Olomouc

*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://biochemie.fnol.cz/akreditace-osvedceni-reg-listy>*

1. **Clinical Biochemistry Department Laboratories, Pavilion "I"**

**Examinations:**

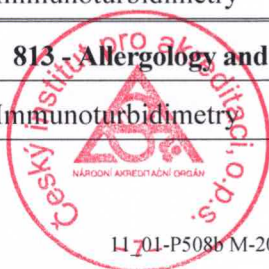
Ordinal Number	Analyte/parameter/diagnostics	Principle of examination	Identification of procedure/equipment	Examined material	Degrees of freedom <sup>1</sup>
<b>801 – Clinical Biochemistry</b>					
1.	Non-protein nitrogenous substances	Absorption spectrophotometry	Commercial procedure	Serum, urine	A, B
2.	Bilirubin	Absorption spectrophotometry	Commercial procedure	Serum	A, B
3.	Minerals	Potentiometry	Commercial procedure	Serum, urine	A, B, C
4.	Minerals	Absorption spectrophotometry	Commercial procedure	Serum	A, B, C
5.	Enzymes	Absorption spectrophotometry	Commercial procedure	Serum	A, B, C
6.	Lipids	Absorption spectrophotometry	Commercial procedure	Serum	A, B, C
7.	Glucose	Absorption spectrophotometry	Commercial procedure	Body fluids	A, B, D
8.	Lactate	Absorption spectrophotometry	Commercial procedure	Body fluids	A, B, D
9.	Cardiac markers	Immunoassay with luminometric detection	Commercial procedure	Serum	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>
10.	Proteins	Absorption spectrophotometry	Commercial procedure	Serum	A, B
11.	Serum protein fractions	Electrophoresis	Commercial procedure	Body fluids	A, B, D
12.	Osmolality	Cryoscopy	Commercial procedure	Serum, urine	A, B
13.	Glycated haemoglobin	Capillary electrophoresis	Commercial procedure	Blood	A, B
14.	Chemical examination of urine	Reflection photometry; Absorption spectrophotometry; Turbidimetry; Refractometry	Commercial procedure	Urine	A, B, C
15.	Morphological examination of urine	Digital microscopy	Commercial procedure	Urine	A, B
16.	Tumor Markers	Immunoassay with luminometric detection	Commercial procedure	Serum	A, B, C
17.	Albumin	Immunonephelometry	Commercial procedure	Cerebrospinal fluid	A, B
18.	Markers for the calculation of the risk of congenital defects	Immunoassay with fluorimetric detection	Commercial procedure	Serum	A, B, C
19.	Acid-base balance	Potentiometry; Amperometry	Commercial procedure	Blood	A, B
<b>812 – Laboratory for Pharmacology and Toxicology of Pharmaceuticals</b>					
1.	Theophylline	Immunoturbidimetry	Commercial procedure	Serum	A, B
2.	Antiepileptics	Immunoturbidimetry	Commercial procedure	Serum	A, B
<b>813 - Allergy and Immunology Laboratory</b>					
1.	Specific proteins	Immunoturbidimetry	Commercial procedure	Serum	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>
2.	Procalcitonin	Immunoassay with luminometric detection	Commercial procedure	Serum	A, B
3.	Immunoglobulins	Immunoturbidimetry	Commercial procedure	Serum	A, B, C
4.	Immunoglobulins	Immunofixation electrophoresis	Commercial procedure	Serum	A, B
5.	Immunoglobulins	Immunonephelometry	Commercial procedure	Cerebrospinal fluid	A, B, C
6.	Oligoclonal IgG bands	Isoelectric focusing	Commercial procedure	Serum, cerebrospinal fluid	A, B
<b>815 - Nuclear Medicine Laboratory</b>					
1.	Myoglobin	Immunoassay with luminometric detection	Commercial procedure	Serum	A, B
2.	Hormones	Immunoassay with luminometric detection	Commercial procedure	Serum	A, B, C
3.	Vitamins	Immunoassay with luminometric detection	Commercial procedure	Serum	A, B, C
4.	Tumor Markers	Immunoassay with luminometric detection	Commercial procedure	Serum	A, B, C
5.	Autoantibodies	Immunoassay with luminometric detection	Commercial procedure	Serum	A, B, C
6.	Bone Markers	Immunoassay with luminometric detection	Commercial procedure	Serum	A, B, C

**Primary sample collection:**

Ordinal Number <sup>2</sup>	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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**2. Clinical Biochemistry Department Laboratories - Laboratory for Hereditary Metabolic Disorders, Pavilion "Q"**

**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.	Organic acids	Gas chromatography with mass spectrometry	Published procedure	Urine	A, B, C
2.	Amino acids and acylcarnitines	Tandem mass spectrometry	Commercial procedure	Dry blood spot	A, B, C
3.	Biotinidase	Fluorimetry	Commercial procedure	Dry blood spot	A, B

**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.

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*"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. "*

