

**The Appendix is an integral part of  
Certificate of Accreditation No. 615/2023 of 15/11/2023**

**Accredited entity according to ČSN EN ISO 15189:2013:**

**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”**

**Examination:**

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
10.	Proteins	Absorption spectrophotometry	Commercial procedure	Serum	A, B

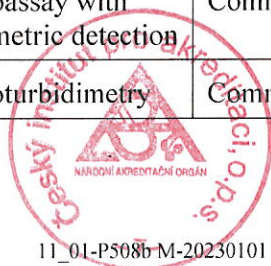
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Ordinal Number	Analyte/ parameter/diagnostics	Principle of examination	Identification of procedure/ equipment	Examined material	Degrees of freedom <sup>1</sup>
11.	Serum protein fractions	Electrophoresis	Commercial procedure	Body fluids	A, B, D
12.	Osmolality	Cryoscopy	Commercial procedure	Serum, urine	A, B
13.	Hemoglobin A1c	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 - Allergology and Immunology Laboratory</b>					
1.	Specific proteins	Immunoturbidimetry	Commercial procedure	Serum	A, B, C
2.	Procalcitonin	Immunoassay with luminometric detection	Commercial procedure	Serum	A, B
3.	Immunoglobulins	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>
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

**815 - Nuclear Medicine Laboratory**

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	Sample collection technique	Identification of sample collection procedure	Collected material	Degrees of freedom <sup>1</sup>
1.	Venepuncture	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"**

**Examination:**

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.

