The Appendix is an integral part of
Certificate of Accreditation No. 218/2018 of 02/05/2018

Accredited entity according to ČSN EN ISO 15189:2013:

Fakultní nemocnice Olomouc

Clinical Biochemistry Department Laboratories

I. P. Pavlova 185/6, 779 00 Olomouc

Medical laboratory locations:

1. **Clinical Biochemistry Department Laboratories Pavilion "I"** — I. P. Pavlova 185/6, 779 00 Olomouc
2. **Clinical Biochemistry Department Laboratories Laboratory for Hereditary Metabolic Disorders Pavilion "Q"** — I. P. Pavlova 185/6, 779 00 Olomouc

Examination:

Ordinal number	Examination procedure name	Examination procedure identification	Examined object
801 - Clinical Biochemistry			
1 [1)]	Determination of amount-of-substance concentration of urea by photometry using an automatic analyzer [S_Urea] [U_Urea]	SOPV-035	Serum, urine
2 [1)]	Determination of amount-of-substance concentration of creatinine by photometry using an automatic analyzer [S_Creatinine] [U_Creatinine]	SOPV-034	Serum, urine
3 [1)]	Determination of amount-of-substance concentration of uric acid by photometry using an automatic analyzer [S_Uric acid] [U_Uric acid]	SOPV-033	Serum, urine
4 [1)]	Determination of amount-of-substance concentration of total bilirubin by photometry using an automatic analyzer [S_Bilirubin]	SOPV-045	Serum
5 [1)]	Determination of amount-of-substance concentration of sodium cation by electrochemical method using an automatic analyzer [S_Natrium] [U_Natrium]	SOPV-038	Serum, urine
6 [1)]	Determination of amount-of-substance concentration of potassium cation by electrochemical method using an automatic analyzer [S_Kalium] [U_Kalium]	SOPV-039	Serum, urine
7 [1)]	Determination of amount-of-substance concentration of chloride anion by electrochemical method using an automatic analyzer [S_Chlorides] [U_Chlorides]	SOPV-040	Serum, urine

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Ordinal number	Examination procedure name	Examination procedure identification	Examined object
8 1)	Determination of catalytic activity of ALT by photometry using an automatic analyzer [S_ALT]	SOPV-031	Serum
9 1)	Determination of catalytic activity of AST by photometry using an automatic analyzer [S_AST]	SOPV-016	Serum
10 1)	Determination of catalytic activity of ALP by photometry using an automatic analyzer [S_ALP]	SOPV-030	Serum
111)	Determination of catalytic activity of GGT by photometry using an automatic analyzer [S_GGT]	SOPV-036	Serum
12 1)	Determination of mass concentration of total protein by photometry using an automatic analyzer [S_Total protein]	SOPV-037	Serum
13 1)	Determination of mass concentration of albumin by photometry using an automatic analyzer [S_Albumin]	SOPV-032	Serum
14 1)	Determination of amount-of-substance concentration of total cholesterol by photometry using an automatic analyzer [S_Cholesterol]	SOPV-049	Serum
15 1)	Determination of amount-of-substance concentration of triacylglycerols by photometry using an automatic analyzer [S_Triacylglycerols]	SOPV-050	Serum
16 1)	Determination of amount-of-substance concentration of glucose by photometry using an automatic analyzer [S_Glucose]	SOPV-041	Serum
17 1)	Determination of catalytic activity of total amylase by photometry using an automatic analyzer [S_Alpha-amylase]	SOPV-042	Serum
18 1)	Determination of amount-of-substance concentration of total calcium by photometry using an automatic analyzer [S_Calcium]	SOPV-043	Serum

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Ordinal number	Examination procedure name	Examination procedure identification	Examined object
19 1)	Determination of amount-of-substance concentration of total magnesium by photometry using an automatic analyzer [S_Magnesium]	SOPV-044	Serum
20 1)	Determination of amount-of-substance concentration of total iron by photometry using an automatic analyzer [S_Iron]	SOPV-047	Serum
21 1)	Determination of amount-of-substance concentration of lactate by photometry using an automatic analyzer [P_Lactate]	SOPV-048	Plasma
22 1)	Determination of osmolality (concentration of osmotically active substances) by cryoscopic method using an automatic analyzer [S_Osmolality, U_Osmolality]	SOPV-009	Serum, urine
23 1)	Determination of ratio of amount-of-substance concentration of HbA1c and total Hb by HPLC method using an automatic analyzer [B_Glycated haemoglobin A1c]	SOPV-008	Whole blood
24 1)	Reserved		
25 1)	Determination of mass concentration of troponin T by immunochemistry using an automatic analyzer [S_Troponin T ultrasensitive]	SOPV-021	Serum
26 1)	Reserved		
27 1)	Determination of arbitrary amount-of-substance concentration of CA 125 by immunochemistry using an automatic analyzer [S_CA 125]	SOPV-051	Serum
28 1)	Determination of arbitrary amount-of-substance concentration of CA 19 - 9 by immunochemistry using an automatic analyzer [S_CA 19-9]	SOPV-052	Serum
29 1)	Determination of arbitrary amount-of-substance concentration of CA 15 - 3 by immunochemistry using an automatic analyzer [S_CA 15-3]	SOPV-053	Serum

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Ordinal number	Examination procedure name	Examination procedure identification	Examined object
30 [1)]	Determination of mass concentration of free PSA by immunochemistry using an automatic analyzer [S_PSA free]	SOPV-058	Serum
31 [1)]	Determination of mass concentration of ELFO proteins using an automatic analyzer [S_Electrophoresis]	SOPV-091	Serum
32 [2)]	Determination of amount-of-substance concentration of organic acids in urine by GC/MS method counted per mol of creatinine S [U_Organic acids][a)]	SOPV-097	Urine
33 [2)]	Determination of amount-of-substance concentrations of amino acids and acyl-carnitines for neonatal screening by tandem mass spectrometry method [BS_Neonatal screening][b)]	SOPV-025	Spot of blood
34 [1)]	Determination of mass concentration of CEA by immunochemistry using an automatic analyzer [S_CEA]	SOPV-054	Serum
35 [1)]	Determination of catalytic activity of LDH by photometry using an automatic analyzer [S_LDH]	SOPV-187	Serum
36 [1)]	Determination of mass concentration of albumin by nephelometry using an automatic analyzer [Csf_Albumin]	SOPV-234	CSF
37 [1)]	Determination of mass concentration of IgG by nephelometry using an automatic analyzer [Csf_IgG]	SOPV-233	CSF
38 [1)]	Determination of arbitrary amount-of-substance concentration of PAPP-A by immunochemistry using an automatic analyzer [S_PAPP-A]	SOPV-145	Serum

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Ordinal number	Examination procedure name	Examination procedure identification	Examined object
39 [1)]	Determination of mass concentration of free beta hCG by immunochemistry using an automatic analyzer [S_Free beta hCG]	SOPV-144	Serum
40 [1)]	Determination of pH, partial pressure of CO2, partial pressure of O2 by potentiometry and amperometry using an automatic analyzer [B_pH], [B_pCO2], [B_pO2]	SOPV-098	Whole blood
812 - Laboratory for pharmacology and toxicology of pharmaceuticals			
1 [1)]	Determination of mass concentration of theophylline by immunochemistry using an automatic analyzer [S_Theophylline]	SOPV-027	Serum
2 [1)]	Determination of mass concentration of carbamazepine by immunochemistry using an automatic analyzer [S_Carbamazepine]	SOPV-029	Serum
3 [1)]	Determination of mass concentration of valproic acid by immunochemistry using an automatic analyzer [S_Valproate]	SOPV-028	Serum
813 - Allergology and Immunology Laboratory			
1 [1)]	Determination of mass concentration of C-reactive protein by turbidimetry using an automatic analyzer [S_C-reactive protein]	SOPV-046	Serum
2 [1)]	Determination of mass concentration of procalcitonin by immunochemistry using an automatic analyzer [S_Procalcitonin]	SOPV-020	Serum
3 [1)]	Determination of mass concentration of IgA by immunochemistry using an automatic analyzer [S_IgA]	SOPV-070	Serum

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Ordinal number	Examination procedure name	Examination procedure identification	Examined object
4 [1)]	Determination of mass concentration of IgG by immunochemistry using an automatic analyzer [S_IgG]	SOPV-071	Serum
5 [1)]	Determination of mass concentration of IgM by immunochemistry using an automatic analyzer [S_IgM]	SOPV-072	Serum
6 [1)]	Determination of mass concentration of free kappa light chains by immunochemistry using an automatic analyzer [S_Ig/L kappa free]	SOPV-073	Serum
7 [1)]	Determination of mass concentration of free lambda light chains by immunochemistry using an automatic analyzer [S_Ig/L lambda free]	SOPV-074	Serum
8 [1)]	Detection of oligoclonal IgG bands by immunochemistry using an automatic analyzer [S_Oligoclonal IgG bands, CSF_Oligoclonal IgG bands]	SOPV-096	Serum, CSF
9 [1)]	Detection of monoclonal fraction by immunofixation, immunochemistry using an automatic analyzer [S_ Immunofixation]	SOPV-093	Serum
10 [1)]	Determination of mass concentration of prealbumin by turbidimetry using an automatic analyzer [S_Prealbumin]	SOPV-218	Serum
11 [1)]	Determination of mass concentration of transferrin by turbidimetry using an automatic analyzer [S_Transferrin]	SOPV-219	Serum

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Ordinal number	Examination procedure name	Examination procedure identification	Examined object
815 - Nuclear Medicine Laboratory			
1 [1)]	Determination of mass concentration of myoglobin by immunochemistry using an automatic analyzer [S_Myoglobin]	SOPV-019	Serum
2 [1)]	Determination of arbitrary amount-of-substance concentration of TSH by immunochemistry using an automatic analyzer [S_TSH]	SOPV-024	Serum
3 [1)]	Determination of amount-of-substance concentration of bio-intact PTH 1-84 by immunochemistry using an automatic analyzer [S_PTH 1-84]	SOPV-246	Serum
4 [1)]	Determination of amount-of-substance concentration of free T4 by immunochemistry using an automatic analyzer [S_T4 free]	SOPV-062	Serum
5 [1)]	Determination of amount-of-substance concentration of free T3 by immunochemistry using an automatic analyzer [S_T3 free]	SOPV-063	Serum
6 [1)]	Determination of arbitrary amount-of-substance concentration of LH by immunochemistry using an automatic analyzer [S_LH]	SOPV-064	Serum
7 [1)]	Determination of arbitrary amount-of-substance concentration of FSH by immunochemistry using an automatic analyzer [S_FSH]	SOPV-065	Serum
8 [1)]	Determination of amount-of-substance concentration of estradiol by immunochemistry using an automatic analyzer [S_Estradiol]	SOPV-066	Serum
9 [1)]	Determination of mass concentration of folate by immunochemistry using an automatic analyzer [S_Folate]	SOPV-023	Serum

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Ordinal number	Examination procedure name	Examination procedure identification	Examined object
10 [1)]	Determination of mass concentration of vitamin B12 by immunochemistry using an automatic analyzer [S_Vitamin B12]	SOPV-026	Serum
11 [1)]	Determination of mass concentration of total PSA by immunochemistry using an automatic analyzer [S_PSA total]	SOPV-057	Serum
12 [1)]	Determination of mass concentration of AFP by immunochemistry using an automatic analyzer [S_AFP]	SOPV-059	Serum
13 [1)]	Determination of arbitrary amount-of-substance concentration of HCG by immunochemistry using an automatic analyzer [S_HCG+beta]	SOPV-060	Serum
14 [1)]	Determination of arbitrary amount-of-substance concentration of prolactin by immunochemistry using an automatic analyzer [S_PRL]	SOPV-067	Serum
15 [1)]	Determination of arbitrary amount-of-substance concentration of anti - Tg antibodies by immunochemistry using an automatic analyzer [S_Anti-Tg]	SOPV-068	Serum
16 [1)]	Determination of arbitrary amount-of-substance concentration of anti - TPO antibodies by immunochemistry using an automatic analyzer [S_Anti-TPO]	SOPV-069	Serum
17 [1)]	Determination of arbitrary amount-of-substance concentration of HGH by immunochemistry [S_Somatotropin]	SOPV-014	Serum
18 [1)]	Determination of arbitrary amount-of-substance concentration of anti-TSH receptor antibodies [S_TRAK]	SOPV-015	Serum

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Primary sampling:

Ordinal number	Primary sampling procedure name	Primary sampling procedure identification	Primary sample
1. [1)]	Venous blood sampling	SOP-L015-M01/VBSAMPL	Blood
2. [1)]	Capillary blood sampling.	SOP-L015-M02/CBSAMPL	Blood

Names in parentheses [ ] are the names of examinations shown in the reports.

Explanations:

[1), 2)] **Superscript at the ordinal number identifies the location carrying out the activities.**

a) Examination No. 32 (Field: 801): U_Organic acids: lactic, 2-hydroxyisobutyric, glycolic, pyroracemic,

2-hydroxybutyric, tartaric, 3-hydroxypropionic, isobutyric, 3-hydroxybutyric, 3-hydroxyisobutyric, 2-hydroxyisopentanoic.

2-hydroxyisopentanoic, 2-methyl-3-hydroxybutyric, propanedioic, methylmalonic, 3-hydroxyvaleric, 2-ethyl-3-hydroxypropionic

2-hydroxyisocaproic, 4-hydroxybutyric, 2-hydroxy-3-methylvaleric, octanoic, 2-methyl-3-hydroxyvaleric, ethylmalonic, amber, 2,3-dihydroxybutyric, 5-hydroxyhexanoic, fumaric, valproic, glyoxylic, glutaric, 3,4-dihydroxybutyric, 3-methylglutaric,

3-methylglutaconic, glutaconic, 2-methylglutaconic, mevalonic, 2-methylglutaconic, adipic, 3-hydroxyadipic,

7-hydroxyoctanoic, 2-hydroxyglutaric, 3-hydroxyglutaric, phenylbutyric, 3-hydroxy-3-methylglutaric, 3-hydroxyphenylacetic,

4-hydroxycyclohexylacetic, 2-oxoglutaric, 4-hydroxyphenylacetic, N-acetylglutamic, octendioic, glutaconic, suberic,

4- hydroxyphenylpropionic, citric, homogentisic, methylcitric, 3-(3-OH-phenyl)-3-OH-propionic, decenedioic, sebacic,

3,6-epoxyoctanedioic, 4-hydroxyphenyllactic, hydroxydecanedioic, 3-hydroxysebacic, 1,12-dodecanedioic, 3,6-epoxydodecanedioic, propionylglycine, mevalonolactone, isobutyrylglycine, butyrylglycine, 5-oxoproline, 2-methylbutyrylglycine, 3-hydroxyadipolactone, isovalerylglycine, tiglylglycine, 3-methylcrotonylglycine, hexanoylglycine, N-acetylmethionine, phenylpropionylglycine, suberylglycine,

N-acetyltyrosine

b) Examination No. 33 (Field: 801): BS_Neonatal Screening:
amino acids and ratios: Phe, Phe/Tyr, Xle, Xle/Ala, (Xle+Val)/(Phe+Tyr), Val Arg, Arg/Phe, Arg/Orn, Cit, Cit/Phe, Orn/Cit, ArgSucc, Met, Met/Phe
acyl-carnitines and ratios: C5, C5/C2, C5/C8, C5DC+C6OH, (C5DC+C6OH)/C8, (C5DC+C6OH)/C16, C6, C8, C8/C2, C8/C10, C10, C10:1, C14, C14:1, C14:1/C16 C16OH, C18OH, C18:1OH, C0, C16, C18, C18:1, C0/(C16+C18), (C16+C18:1)/C2

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