

**The Appendix is an integral part of
Certificate of Accreditation No. 16/2023 of 02/02/2023**

Accredited entity according to ČSN EN ISO 15189:2013:

Masarykův onkologický ústav
Laboratory Medicine Department
Žlutý kopec 543/7, 656 53 Brno

Examinations:

Ordinal number	Examination procedure name	Examination procedure identification	Examined object
222 - Transfusion Medicine			
1.	Determination of blood group AB0, RhD by column agglutination method (DiaMed) on the IH50 analyzer [B_KS + Rh factor]	SOP-T 1	Blood
2.	Determination of transfusion preparation compatibility by column agglutination method (DiaMed) on the IH50 analyzer [B_Cross match DIAM.]	SOP-T 2	Blood
3.	Determination of screening of anti-erythrocyte antibodies by column agglutination method, enzymatic and NAT (DiaMed) on IH 500 analyzer [B_Screening anti-ery Ab]	SOP-T 3	Plasma
801 - Clinical Biochemistry			
1.	Determination of molar concentration of glucose by photometry with hexokinase [P_Glucose]	SOP-B 4	Plasma
2.	Determination of molar concentration of creatinine, enzymatically with creatine kinase; [P_Creatinine]	SOP-B 5	Plasma
3.	Determination of molar concentration of calcium by photometry: with NM-BAPTA; [P_Calcium]	SOP-B 6	Plasma
4.	Determination of catalytic activity of ALT by photometry: according to IFCC with activation by pyridoxal phosphate; [P_ALT]	SOP-B 7	Plasma
5.	Determination of molar concentration of total bilirubin by photometry: diazo method; [P_Bilirubin total]	SOP-B 8	Plasma
6.	Determination of molar concentration of HDL cholesterol: enzymatic determination with cholesterol esterase; [P_Cholesterol HDL]	SOP-B 13	Plasma

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7.	Determination of molar concentration of total cholesterol: enzymatic determination with cholesterol esterase; [P_Cholesterol]	SOP-B 14	Plasma
8.	Determination of molar concentration of triacylglycerols: enzymatic determination with lipoprotein lipase; [P_Triacylglycerols]	SOP-B 15	Plasma
9.	Determination of catalytic activity of lactate dehydrogenase by photometric method: according to IFCC with L-lactate; [P_Lactate dehydrogenase]	SOP-B 16	Plasma
10.	Determination of mass concentration of troponin T by immunochemistry: ECLIA; [P_Troponin T]	SOP-I 2,3	Plasma
11.	Determination of molar concentration of urea by photometry: enzymatic determination with urease and glutamate dehydrogenase; [P_Urea]	SOP-B 25	Plasma
12.	Determination of molar concentration of uric acid by photometry: enzymatic determination with uricase and peroxidase; [P_Uric acid]	SOP-B 26	Plasma
13.	Determination of molar concentration of sodium by ISE: indirect determination); [P_Natrium]	SOP-B 32 (A)	Plasma
14.	Determination of molar concentration of potassium by ISE: indirect determination); [P_Kalium]	SOP-B 32 (B)	Plasma
15.	Determination of molar concentration of chlorides by ISE: indirect determination); [P_Chlorides]	SOP-B 32 (C)	Plasma
16.	Determination of molar concentration of phosphorus by photometry: determination with ammonium molybdate; [P_Phosphorus]	SOP-B 3	Plasma

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17.	Determination of molar concentration of magnesium by photometry: determination with xylidyl blue; [P_Magnesium]	SOP-B 2	Plasma
18.	Determination of molar concentration of iron by photometry: determination with ferrozine; [P_Fe]	SOP-B 44	Plasma
19.	Determination of molar concentration of ferritin by immunoturbidimetry; [P_Ferritin]	SOP-B 38	Plasma
20.	Determination of catalytic activity of AST by photometry: according to IFCC with activation by pyridoxal phosphate; [P_AST]	SOP-B 22	Plasma
21.	Determination of catalytic activity of GGT by photometry: enzymatic determination; [P_GGT]	SOP-B 23	Plasma
22.	Determination of catalytic activity of amylase by photometry: according to IFCC with oligosaccharides; [P_Alpha-amylase]	SOP-B 27	Plasma
23.	Determination of catalytic activity of creatinkinase by photometry: enzymatic determination; [P_CK]	SOP-B 35	Plasma
24.	Determination of molar concentration of transferrin by turbidimetry; [P_Transferrin]	SOP-B 42	Plasma
25.	Determination of catalytic activity of alkaline phosphatase by photometry: standardized enzymatic assay with p-nitrophenyl phosphate; [P_ALP]	SOP-B 24	Plasma
26.	Determination of molar concentration of total protein by photometry: biuret method; [P_Total protein]	SOP-B 31	Plasma

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Ordinal number	Examination procedure name	Examination procedure identification	Examined object
27.	Determination of molar concentration of albumin by photometry: method with bromocresol green; [P_Albumin]	SOP-B 29	Plasma
28.	Determination of molar concentration of prealbumin by immunoturbidimetry; [P_Prealbumin]	SOP-B 30	Plasma
29.	Determination of molar concentration of haptoglobin by immunoturbidimetry; [P_Haptoglobin]	SOP-B 39	Plasma
30.	Determination of molar concentration of LDL cholesterol by photometry: enzymatic determination with cholesterol esterase; [P_Cholesterol LDL]	SOP-B 20	Plasma
31.	Determination of molar concentration of total protein by turbidimetry: determination with benzethonium chloride; [U_Total protein]	SOP-B 37	Urine
813 - Allergology and Immunology Laboratory			
1.	Determination of mass concentration of C-reactive protein by photometry: immunoturbidimetric determination; [P_C-reactive protein]	SOP-B 12	Plasma
2.	Determination of immunoglobulins IgG: immunoturbidimetric determination [P_IgG total, S_IgG total]	SOP-B 17	Plasma, serum
3.	Determination of immunoglobulins IgA: immunoturbidimetric determination [P_IgA total, S_IgA total]	SOP-B 18	Plasma, serum
4.	Determination of immunoglobulins IgM: immunoturbidimetric determination [P_IgM total, S_IgM total]	SOP-B 19	Plasma, serum
815 - Nuclear Medicine Laboratory			
1.	Determination of mass concentration of carcinoembryonal antigen by immunochemistry: ECLIA; [S_CEA]	SOP-I 4	Serum

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Ordinal number	Examination procedure name	Examination procedure identification	Examined object
2.	Determination of arbitrary molar concentration of human chorionic gonadotropin including free beta subunit by immunochemistry: ECLIA; [S_HCG+beta]	SOP-I 5	Serum
3.	Determination of mass concentration of α -1-fetoprotein by immunochemistry: ECLIA; [S_Alpha-1-fetoprotein]	SOP-I 6	Serum
4.	Determination of arbitrary molar concentration of tumor antigen 125 by immunochemistry: CMIA; [S_CA 125]	SOP-I 7	Serum
5.	Determination of arbitrary molar concentration of tumor antigen 15-3 by immunochemistry: ECLIA; [S_CA 15-3]	SOP-I 8	Serum
6.	Determination of arbitrary molar concentration of tumor antigen 19-9 by immunochemistry: ECLIA; [S_CA 19-9]	SOP-I 9	Serum
7.	Determination of mass concentration of total prostate tumor antigen by immunochemistry: CMIA; [S_PSA]	SOP-I 10	Serum
8.	Determination of mass concentration of S-100 protein by immunochemistry: ECLIA; [S_S100B]	SOP-I 11	Serum

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Ordinal number	Examination procedure name	Examination procedure identification	Examined object
818 - Haematology Laboratory			
1.	Parameters of blood count and differential count of leukocytes on automatic analyzers Sysmex XN-2000 and XN-1000 [B_Erythrocytes, B_Leukocytes, B_Haemoglobin, B_Haematocrit, B_Thrombocytes, B_MPV, B_Mean Cor.Vol. (MCV), B_Mean Cor.Hb in ery (MCH), B_Mean Cor.Hb Conc. in ery (MCHC), B_RDW, B_Neutrophils, B_Eosinophils, B_Basophils, B_Monocytes, B_Lymphocytes, B_Neutrophils count, B_Eosinophils count, B_Basophils count, B_Monocytes count, B_Lymphocytes count]	SOP-H 1	Whole blood
2.	Determination of prothrombin time by nephelometric measurement of coagulum by CS 2500 analyzer [Pc_Prothrombin.time-INR; Pc_Prothrombin time; Pc_PT-ratio]	SOP-K 1	Plasma
3.	Determination of activated partial thromboplastin time by nephelometric measurement of coagulum by CS 2500 analyzer; [Pc_APTT; Pc_APTT-ratio]	SOP-K 2	Plasma
4.	Determination of molar concentration of fibrinogen by turbidimetry: optical method; [Pc_Fibrinogen]	SOP-K08	Plasma
5.	Peripheral blood smear analysis – differential count [B_Differential microscopically]	SOP-H03, H04	Blood

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