

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

**Ústav pro péči o matku a dítě**  
Central Laboratories of ÚPMD  
Podolské nábřeží 157/36, 147 00 Praha 4 – Podolí

**Medical laboratory locations:**

1. **Department of Clinical Biochemistry** Podolské nábřeží 157/36,  
Praha 4 – Podolí
2. **Department of Clinical Hematology  
and Blood Bank** Podolské nábřeží 157/36,  
Praha 4 – Podolí
3. **Department of Clinical Pathology** Podolské nábřeží 157/36,  
Praha 4 – Podolí

1. **Department of Clinical Biochemistry (OKB)**

**Examinations:**

Ordinal number	Examination procedure name	Examination procedure identification	Examined object
<b>801 - Clinical Biochemistry</b>			
1.	Determination of amount-of-substance concentration of urea by enzymatic method with UV detection [S-urea]	SOP-OKB-01	Serum
2.	Determination of amount-of-substance concentration of uric acid by photometric enzymatic method [S-Uric acid]	SOP-OKB-03	Serum
3.	Determination of amount-of-substance concentration of total bilirubin by photometric method [S-Total bilirubin]	SOP-OKB-04	Serum
4.	Determination of catalytic activity of alaninaminotransferase (ALT) by photometric method according to IFCC [S-ALT]	SOP-OKB-05	Serum
5.	Determination of catalytic activity of aspartate aminotransferase (AST) by photometric method according to IFCC [S-AST]	SOP-OKB-06	Serum

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Ordinal number	Examination procedure name	Examination procedure identification	Examined object
6.	Determination of catalytic activity of $\gamma$ -glutamyl transferase (GGT) by photometric method according to IFCC [S-GGT]	SOP-OKB-07	Serum
7.	Determination of amount-of-substance concentration of glucose by enzymatic method with hexokinase [S-Glucose]	SOP-OKB-13	Serum
8.	Determination of amount-of-substance concentration of chloride ion ( $\text{Cl}^-$ ) by indirect potentiometry (ISE) method [S-Chlorides]	SOP-OKB-17	Serum
9.	Determination of amount-of-substance concentration of sodium cation ( $\text{Na}^+$ ) by indirect potentiometry (ISE) method [S-Na]	SOP-OKB-41	Serum
10.	Determination of amount-of-substance concentration of potassium cation ( $\text{K}^+$ ) by indirect potentiometry (ISE) method [S-K]	SOP-OKB-42	Serum
11.	Determination of the mass concentration of the free $\beta$ subunit of human chorionic gonadotropin (free beta hCG) by TRACE method [S-Free beta HCG]	SOP-OKB-54	Serum
12.	Determination of arbitrary pregnancy-associated plasma protein A (PAPP-A) concentration by TRACE method [S-PAPP-A]	SOP-OKB-59	Serum
<b>802 - Medical microbiology</b>			
1.	Determination of hepatitis B surface antigen by electrochemiluminescence method [S-HBsAg]	SOP-OKB-80	Serum

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Ordinal number	Examination procedure name	Examination procedure identification	Examined object
2.	Determination of p24 HIV-1 antigen and antibodies to HIV type 1a 2 by electrochemiluminescence method [S-a-HIV 1,2 p24]	SOP-OKB-82	Serum
3.	Determination of hepatitis C virus by electrochemiluminescence method [S-anti-HCV]	SOP-OKB-83	Serum
4.	Determination of antibodies against hepatitis B core antigen by electrochemiluminescence method [S-anti-HBc]	SOP-OKB-84	Serum
5.	Determination of non-treponemal antibodies (RPR) in blood serum by immunoturbidimetric method [s-RPR]	SOP-OKB-200	Serum
6.	Determination of total antibodies against <i>Treponema pallidum</i> in blood serum by electrochemiluminescence method [s-Syphilis]	SOP-OKB-201	Serum
<b>813 - Allergology and Immunology Laboratory</b>			
1.	Enzyme immunometric assay for quantitative determination of IgG class autoantibodies against cardiolipin [s-ACLA IgG]	SOP-OKB-RI-04	Serum
2.	Enzyme immunometric assay for quantitative determination of IgM class autoantibodies against cardiolipin [s-ACLA IgM]	SOP-OKB-RI-05	Serum
3.	Enzyme immunometric assay for semiquantitative determination of autoantibodies against $\beta$ 2-glycoprotein I [s-Anti-b2GP scr.]	SOP-OKB-RI-06	Serum

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<b>Ordinal number</b>	<b>Examination procedure name</b>	<b>Examination procedure identification</b>	<b>Examined object</b>
4.	Determination of mass concentration of C-reactive protein by immunoturbidimetric method [S-CRP]	SOP-OKB-33	Serum
5.	Determination of the mass concentration of procalcitonin (PCT) by electrochemiluminescence method [S-PCT]	SOP-OKB-120	Serum
<b>815 - Nuclear Medicine Laboratory</b>			
1.	Determination of arbitrary amount-of-substance concentration of the sum of human chorionic gonadotropin (hCG) and hCG $\beta$ subunit by electrochemiluminescence method [S-hCG]	SOP-OKB-262	Serum

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

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**2. Department of Clinical Hematology and Blood Bank (OKH)**

**Examinations:**

Ordinal number	Examination procedure name	Examination procedure identification	Examined object
<b>818 – Hematology Laboratory</b>			
1.	Determination of blood count with 5-population differential leukocyte count on Celltac G analyzer [Leukocytes, Erythrocytes, Hemoglobin, Hematocrit, MCV, MCH, MCHC, RDW, Thrombocytes, Neutrophils – Relative count, Lymphocytes – Relative count, Monocytes – Relative count, Eosinophils – Relative count, Basophils – Relative count]	SOP-OKH-01	Peripheral blood
<b>222 – Transfusion Medicine</b>			
1.	Screening of irregular antibodies (Screening NAT) against erythrocytes by column agglutination method in cards [Screening NAT]	SOP-OKH-02	Serum, plasma
2.	Determination of blood groups AB0/RhD in DiaClon cards [KS AB0 RhD]	SOP-OKH-03	Peripheral blood

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**3. Department of Clinical Pathology (OKP)**

**Examinations:**

Ordinal number	Examination procedure name	Examination procedure identification	Examined object
<b>823 – Pathology Laboratory</b>			
1.	Histological examination of tissues and diagnostics	SOP-OKP-01	Tissues
2.	Peroperational examination of tissue	SOP-OKP-02	Tissues and cells
3.	Cytological examinations	SOP-OKP-03	Cells from puncture of tissue, body fluids and pathological cavity content
4.	Immunohistochemical examination of antigens*	SOP-OKP-04	Tissues and cells

**\* List of antibodies for examination of antigens (SOP-OKP-04):**

Smooth Muscle Actin	GATA 3
Muscle-specific actin (HHF-35)	HER-2/neu
Alpha-1-Fetoprotein (AFP)	Chorionic Gonadotropin (HCG)
Bcl-2 oncoprotein	Chromogranin A
Caldesmon	Inhibin
Calretinin	Ki-67
Carcinoembryonic Antigen (CEA)	Melanosome (HMB-45)
CD 10	Napsin A
CD 20	P 16
CD 34	P 53
CD 45 (LCA)	P 57
CD 45RO	P 63
CD 68	PAX-8
CDX2	Placental alkaline phosphatase (PLAP)
Cytokeratin AE1/AE3	Placental lactogen (hPL)
Cytokeratin CAM 5,2	Progesterone receptors (PR)
Cytokeratin 7	PTEN
Cytokeratin 20	S-100 protein

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High molecular weight cytokeratin	Synaptophysin
Desmin	Vimentin
E-cadherin	Von Willebrand Factor (F VIII)
Epithelial membrane antigen (EMA)	WT-1
Estrogen receptors (ER)	