

**The Appendix is an integral part of  
Certificate of Accreditation No. 111/2023 of 09. 03. 2023**

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

**Zdravotní ústav se sídlem v Ústí nad Labem**

CAB Number 8065, Department of Laboratory Immunology of the Centre for Immunology  
and Microbiology  
Na Kabátě 229, 400 11 Ústí nad Labem

**Medical laboratory locations:**

- |                                    |                                      |
|------------------------------------|--------------------------------------|
| <b>1. Workplace Ústí nad Labem</b> | Na Kabátě 229, 400 11 Ústí nad Labem |
| <b>2. Workplace Praha</b>          | Dittrichova 329/17, 120 00 Praha 2   |

- 1. Workplace Ústí nad Labem**

**Examination:**

Ordinal number	Examination procedure name	Examination procedure identification	Examined object
<b>801 - Clinical Biochemistry</b>			
1	Determination of the concentration of albumin by spectrophotometry [Albumin]	SOPv-6a-ALB	Serum, plasma
2	Determination of the concentration of total protein by spectrophotometry [Total protein]	SOPv-6b-CB	Serum, plasma
3	Determination of the concentration of total protein by spectrophotometry [Total protein - urine, Total protein - CSF]	SOPv-7-CBL	Urine, CSF
4	Determination of the concentration of albumin by nephelometry [Albumin-CSF]	SOPv-4-SP2a	CSF
<b>802 - Medical Microbiology</b>			
1-20	Reserved		
21	Determination of hepatitis A markers by CLIA method [Anti-HAV IgM, Anti-HAV IgG]	SOPv-20-HEPa	Serum, plasma
22	Determination of hepatitis B markers by CLIA method [Anti HBs, HBsAg, Anti - HBc total, Anti-HBc IgM, HBeAg, Anti HBe]	SOPv-20-HEPb	Serum, plasma
23	Determination of hepatitis C markers by CLIA method [Anti HCV]	SOPv-20-HEPc	Serum, plasma

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Ordinal number	Examination procedure name	Examination procedure identification	Examined object
24	Determination of p24 antigens and antibodies against HIV by CLIA method [HIV 1+2, Ag p24]	SOPv-20-HEPd	Serum, plasma
25	Determination of hepatitis markers – confirmation by CLIA method [HBsAg confirmation]	SOP-21-HKF	Serum, plasma
26	Determination of CMV antibodies by CLIA method [CMV IgM, CMV IgG]	SOPv-22-IA	Serum, plasma
27-38	Reserved		
39	Determination of antibodies against pertussis toxin by ELISA method [B.pertuss. toxin IgA ELISA, B.pertuss. toxin IgG ELISA]	SOPv-45-PT	Serum, plasma
40	Determination of EBV antibodies by CLIA method [EBV-VCA IgM, EBV-VCA IgG, EBNA-1 IgG, EBV-EA(D) IgG]	SOPv-48-EBV	Serum, plasma
41	Determination of herpes virus 1+2 antibodies by ELISA method [HSV1+2 IgM, HSV1+2 IgG]	SOPv-23-VE	Serum, plasma
42	Determination of antibodies against <i>Borrelia burgdorferi s.l.</i> by ELISA method [IgM Borrel.sp., IgG Borrel.sp.+VlsE]	SOPv-24aBBE	Serum, plasma
43	Determination of antibodies against <i>Treponema pallidum</i> by ELISA method [T.pallidum IgM, T. pallidum IgG]	SOPv-24bTPE	Serum, plasma
44	Determination of antibodies against <i>Helicobacter pylori</i> by ELISA method [Helicobact.pylor.IgA, Helicobact.pylor.IgG]	SOPv-44-HP	Serum, plasma

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Ordinal number	Examination procedure name	Examination procedure identification	Examined object
45	Determination of antibodies against <i>Mycoplasma pneumoniae</i> by ELISA method [Mycopl. pn. IgM, Mycopl. pn. IgA, Mycopl. pn. IgG]	SOPv-46-MP	Serum, plasma
46	Determination of antibodies against <i>Yersinia enterocolitica</i> by ELISA method [Y. enterocol. IgA, Y. enterocol. IgG]	SOPv-43-YE	Serum, plasma
47	Determination of antibodies against Tick-borne Encephalitis virus by ELISA method [Tick.enc.IgM, Tick.enc.IgG]	SOPv-47-KE	Serum, plasma
48	Determination of antibodies against <i>Toxoplasma gondii</i> by ELISA method [Toxoplasma g. IgM, Toxoplasma g. IgA, Toxoplasma g. IgG]	SOPv-49-TG	Serum, plasma
49	Determination of post-vaccination antibodies by ELISA method [Tetanus toxin IgG, Diphtheria toxin IgG, Haemophilus inf. B IgG]	SOPv-28- OA	Serum, plasma
50-70	Reserved		
71	Determination of anti- <i>Treponema pallidum</i> antibodies by indirect immunofluorescence method [FTA-Abs]	SOPv-25-IAF	Serum, plasma
72	Determination of anti- <i>Treponema pallidum</i> antibodies by CLIA method [TPPA screen., TPPA quantit.]	SOPv-26-IAG	Serum, plasma

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Ordinal number	Examination procedure name	Examination procedure identification	Examined object
<b>813 - Allergology and Immunology Laboratory</b>			
1	Determination of antibodies against <i>Treponema pallidum</i> and <i>Borrelia burgdorferi s.l.</i> by immunoblot method [TP IB IgM, TP IB IgG, B.burg. s.l. IB IgM, B.burg. s.l. IB IgG]	SOPv-27-IWB	Serum, plasma
2-10	Reserved		
11	Determination of intrathecal antibody synthesis against <i>Borrelia burgdorferi s.l.</i> by calculation method according to Reiber [Borr.sp.VlsE intrathec.]	SOPv-50-BBI	Cerebrospinal fluid, serum
12-20	Reserved		
21	Determination of immunoglobulins by turbidimetry [IgG, IgM, IgA]	SOPv-1-SPa	Serum, plasma
22	Determination of acute phase proteins by turbidimetry [C3-complement, C4-complement, Transferrin, Orosomucoid, Prealbumin, Ceruloplasmin, Alpha-1-antitrypsin, Haptoglobin]	SOPv-1-SPb	Serum, plasma
23	Determination of CRP by turbidimetry [C-Reactive Protein]	SOPv-2-LPa	Serum, plasma
24	Determination of rheumatoid factor by turbidimetry [RF-latex]	SOPv-2-LPb	Serum
25	Determination of antibodies against streptolysin O by nephelometry [ASLO]	SOPv-2-LPc	Serum, plasma
26	Determination of IgG subclasses by nephelometry [IgG1, IgG2, IgG3, IgG4 subclass of IgG]	SOPv-3-IgG1-4	Serum, plasma

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Ordinal number	Examination procedure name	Examination procedure identification	Examined object
27	Determination of free light chains by nephelometry [Free kappa LC, Free lambda LC]	SOPv-5-LR	Serum, plasma
28	Determination of low levels of specific proteins by nephelometry [IgG-CSF, IgM-CSF, IgA-CSF]	SOPv-4-SP2b	CSF
29	Determination of albumin quotient and intrathecal synthesis of total immunoglobulins by calculation method acc. to Reiber [QAlb, IgM-intrathecal, IgA-intrathecal, IgG-intrathecal]	SOPv-76-VYP	Serum, plasma, CSF
30-40	Reserved		
41	Detection and typing of paraprotein by electrophoresis and immunofixation [ELFO, ELFO-urea, ELFO immunofix.-serum, Paraprotein g/l, ELFO immunofix.-urine, Paraprotein mg/l urine]	SOPv-30-EL SOPv-31-FIX	Serum, plasma, urine
42	Detection of oligoclonal IgG by isoelectric focusation method [Oligocl. fraction IgG]	SOPv-33-OLI	Serum, cerebrospinal fluid
43-45	Reserved		
46	Determination of beta-2-microglobulin by nephelometry [Beta-2-microglobulin, Beta-2-microglob. urine]	SOPv-10-B2MG	Serum, urine
47	Determination of total IgE by FEIA method [Total IgE]	SOPv-11-IgE	Serum
48-50	Reserved		
51	Determination of specific IgE by FEIA method [Individual allergens and mixtures]	SOPv-12-sIgE	Serum, plasma
52-55	Reserved		

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Ordinal number	Examination procedure name	Examination procedure identification	Examined object
56	Immunophenotyping of lymphocytes by flow cytometry method [CD3+, CD3+ abs., CD4+, CD4+ abs., CD8+, CD8+ abs., CD19+, CD19+ abs., NK cells (CD16+56+), NK cells abs.]	SOPv-13-IFT	Peripheral blood
57	Determination of INF $\gamma$ after stimulation of T lymphocytes by <i>Mycobacterium tuberculosis</i> antigens [QuantiFERON]	SOPv-51-QF	Plasma
58-80	Reserved		
81	Determination of antinuclear antibodies by indirect immunofluorescence method [ANA; Anti-dsDNA]	SOPv-14a-ANAC	Serum, plasma
82	Determination of anti-neutrophil cytoplasmic antibodies by indirect immunofluorescence method [ANCA IgG]	SOPv-14b-ANAC	Serum, plasma
83	Determination of anti-mitochondrial, anti-smooth muscle, anti-parietal cell, and anti-liver/kidney microsomal antibodies by indirect immunofluorescence method [AMA, ASMA, Anti-parietal bb., LKM]	SOPv-15a-AMA	Serum, plasma
84	Determination of endomysial antibodies by indirect immunofluorescence method [EMA IgA]	SOPv-15b-EMA	Serum, plasma

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Ordinal number	Examination procedure name	Examination procedure identification	Examined object
85	Determination of epidermal basement membrane (EBM) and intercellular substance (ICS) antibodies by indirect immunofluorescence method [Anti-EBM, Anti-ICS]	SOPv-15d-EBM	Serum, plasma
86	Determination of glomerular basement membrane antibodies by indirect immunofluorescence method [Anti-GBM]	SOPv-15c-GBM	Serum, plasma
87	Determination of anti-Saccharomyces cerevisiae antibodies by indirect immunofluorescence method [ASCA IgA, ASCA IgG]	SOPv-38-ASCA	Serum, plasma
88	Determination of neuronal autoantibodies by indirect immunofluorescence method [anti Hu (ANNA-1) IF, Anti-Ri (ANNA-2) IF, anti Yo (PCA-1) IF]	SOPv-72-NEUa	Serum, plasma
89	Determination of IgG antibodies against aquaporin 4 by indirect immunofluorescence method [Anti-Aquaporin 4, NMO IgG]	SOPv-72-NEUb	Serum, plasma
90-100	Reserved		
101	Determination of autoantibodies against phospholipides and their cofactors by CLIA method [ACLA IgM, ACLA IgG, Beta-2-GPI IgM, Beta-2-GPI IgG]	SOPv-16-AP	Serum, plasma

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Ordinal number	Examination procedure name	Examination procedure identification	Examined object
102	Determination of anti-neutrophil cytoplasmic antibodies by ELISA method [ANCA Myeloperoxidase, ANCA Proteinase 3]	SOPv-17a-ANCAE	Serum, plasma
103	Determination of antibodies against extractable nuclear antigens by ELISA method [SS-A/Ro, SS-B/La, Sm, U1-RNP, Jo-1, Scl-70 ]	SOPv-17b-ENA	Serum, plasma
104	Determination of antibodies against tissue transglutaminase by CLIA method [Anti-tTg IgA]	SOPv-17c-tTGA	Serum, plasma
105	Determination of antibody isotypes against rheumatoid factor by ELISA method [Rheumatoid factor IgM, Rheumatoid factor IgA, Rheumatoid factor IgG]	SOPv-17d-RF	Serum
106	Determination of antibodies against glutamic acid decarboxylase (GAD) and islet antigen-2 (IA2) by ELISA method [Anti-GAD, IA2-tyr. phosphatase]	SOPv-73-DM	Serum, plasma
107	Determination of antiparietal cell antibodies by ELISA method [Proton pump IgG]	SOPv-75-PA	Serum, plasma
108	Determination of food intolerance markers by ELISA method [Gliadin IgA, Gliadin IgG, Cow milk IgA, Cow milk IgG]	SOPv-29-PIN	Serum, plasma
109-120	Reserved		
121	Determination of antithyroid antibodies by CLIA method [Anti thyreoglobulin, Anti TPO]	SOPv-18-ATH	Serum, plasma



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Ordinal number	Examination procedure name	Examination procedure identification	Examined object
122	Determination of cyclic citrullinated peptide (CCP) antibodies by CLIA method [Anti CCP]	SOPv-39-CCP	Serum, plasma
123-130	Reserved		
131	Determination of antibodies against cell nucleus (nRNP/Sm, Sm, SS-A, Ro-52, SS-B, Scl-70, PM-Scl, Jo-1, CENP B, PCNA, dsDNA, nucleosomes, histones, ribo-P) and liver (AMA-M2, M2-3E/BPO, Sp100, gp210, LKM-1, LC-1, SLA/LP, Ro 52 kDa) antigens by immunoblot method [ANA blot, Liver blot]	SOPv-19-AWB	Serum, plasma
132	Determination of neuronal autoantibodies by immunoblot method (ANNA-1 (Hu), ANNA-2 (Ri), PCA-1 (Yo), Amphiphysin, PNMA2 (Ma2/Ta, CV2) [Neuronal Ab IB]	SOPv-74-NEBa	Serum, plasma
133	Determination of antibodies against gangliosides by immunoblot method (anti-GM1, anti-GM2, anti-GM3, anti-GD1a, anti-GD1b, anti-GQ1b, anti-GT1b) [Anti-gangliosides IgM, Anti-gangliosides IgG]	SOPv-74-NEBb	Serum, plasma
<b>815 - Nuclear Medicine Laboratory</b>			
1	Determination of CEA concentration by CLIA method [CEA]	SOPv-8-TM1a	Serum, plasma
2	Determination of the concentration of CA 15-3 by CLIA method [CA 15-3]	SOPv-8-TM1b	Serum, plasma
3	Determination of the concentration of CA 125 by CLIA method [CA 125]	SOPv-8-TM1c	Serum

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Ordinal number	Examination procedure name	Examination procedure identification	Examined object
4	Determination of the concentration of CA 19-9 by CLIA method [CA 19-9]	SOPv-8-TM1d	Serum
5	Determination of the concentration of total PSA by CLIA method [PSA]	SOPv-8-TM1f	Serum, plasma
6	Determination of the concentration of ferritin by CLIA method [Ferritin]	SOPv-8-TM1g	Serum, plasma
7	Determination of the concentration of Alpha-1-fetoprotein by CLIA method [Alpha-1-fetoprotein]	SOPv-8-TM1h	Serum, plasma

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

Explanation:

CSF    Cerebrospinal fluid

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**2. Workplace Praha**

Ordinal number	Examination procedure name	Examination procedure identification	Examined object
<b>802 - Medical microbiology</b>			
1	Determination of hepatitis B markers by CLIA method [Anti HBs]	SOPv-20-HEPb/LI	Serum, plasma
2	Determination of hepatitis C markers by CLIA method [Anti HCV]	SOPv-20-HEPc/LI	Serum, plasma
3	Determination of p24 antigens and antibodies against HIV by CLIA method [HIV 1+2, Ag p24]	SOPv-20-HEPd/LI	Serum, plasma
<b>813 - Allergy and Immunology Laboratory</b>			
1	Determination of immunoglobulins by nephelometry [IgG, IgM, IgA]	SOPv-1-SPa/LI	Serum, plasma
2	Determination of acute phase proteins by nephelometry [C3-complement, C4-complement, Ceruloplasmin, Alpha-1-antitrypsin]	SOPv-1-SPb/LI	Serum, plasma
3	Determination of CRP by nephelometry [C-reactive protein]	SOPv-2-LPa/LI	Serum, plasma
4	Determination of rheumatoid factor by nephelometry [RF-latex]	SOPv-2-LPb/LI	Serum, plasma
5	Determination of antibodies against streptolysin O by nephelometry [ASLO]	SOPv-2-LPc/LI	Serum, plasma
6	Determination of total IgE by FEIA method [Total IgE]	SOPv-11-IgE/LI	Serum, plasma
7	Determination of specific IgE by FEIA method [Individual allergens and mixtures]	SOPv-12-sIgE/LI	Serum, plasma

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Ordinal number	Examination procedure name	Examination procedure identification	Examined object
8	Determination of antinuclear antibodies by indirect immunofluorescence method [ANA]	SOPv-14a-ANAC/LI	Serum, plasma
9	Determination of anti-mitochondrial, anti-smooth muscle, and anti-liver/kidney microsomal antibodies by indirect immunofluorescence method [AMA, ASMA, LKM]	SOPv-15a-AMA/LI	Serum, plasma
10	Determination of endomysial antibodies by indirect immunofluorescence method [EMA IgA]	SOPv-15b-EMA/LI	Serum, plasma
11	Determination of faecal calprotectin by ELiA method [Calprotectin]	SOPv-3-CALP/LI	Stool

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