

**The Appendix is an integral part of
Certificate of Accreditation No. 211/2023 of 02/05/2023**

Accredited entity according to ČSN EN ISO 15189:2013:

Ústřední vojenská nemocnice - Vojenská fakultní nemocnice Praha

CAB Number 8195, Clinical Laboratories

U Vojenské nemocnice 1200/1, 169 02 Praha 6

Examinations:

| Ordinal number | Analyte/parameter/diagnostics | Principle of examination | Identification of procedure/equipment | Examined material | Degrees of freedom ¹ |
|-----------------------------------|--|--------------------------------------|--|-------------------|---------------------------------|
| 222 - Transfusion Medicine | | | | | |
| 1. | Blood types | Gel column agglutination (manual) | SOP/A-Sklad/001/v04, valid as of: 17/06/2021; | Plasma | - |
| 2. | Blood types | Gel column agglutination (automatic) | SOP/A-Sklad/001/v04; valid as of: 17/06/2021; GALILEO NEO | Plasma | - |
| 3. | Screening of anti-erythrocyte antibodies | Solid phase | SOP/A-Sklad/002/v03, valid as of: 09/04/2015; Galileo NEO | Plasma | - |
| 4. | Screening of anti-erythrocyte antibodies | Gel column agglutination | SOP/A-Sklad/003/v04, valid as of: 27/08/2021 | Plasma | - |
| 5. | Examination of compatibility | Computer crossmatch | SOP/A-Sklad/004/v02, valid as of: 09/04/2015 | Plasma | - |
| 6. | Examination of compatibility | Gel column agglutination | SOP/A-Sklad/005/v03 Valid as of: 15/10/2018 | Plasma | - |
| 7. | Examination of compatibility | Solid phase | SOP/A-Sklad/006/v02, valid as of: 09/04/2015; Galileo NEO | Plasma | - |
| 8. | Screening of anti-erythrocyte antibodies | Gel column agglutination | SOP/A-Sklad/007/v03, validity: 01/05/2016 | Plasma | - |
| 9. | Screening of anti-erythrocyte antibodies | Solid phase | SOP/A-Sklad/008/v02, valid as of: 09/04/2015; Galilo NEO | Plasma | - |
| 10. | Direct antiglobulin test | Gel column agglutination | SOP/A-Sklad/009/v02, valid as of: 09/04/2015 | Plasma | - |

**The Appendix is an integral part of
Certificate of Accreditation No. 211/2023 of 02/05/2023**

Accredited entity according to ČSN EN ISO 15189:2013:

Ústřední vojenská nemocnice - Vojenská fakultní nemocnice Praha

CAB Number 8195, Clinical Laboratories

U Vojenské nemocnice 1200/1, 169 02 Praha 6

| Ordinal number | Analyte/parameter/diagnostics | Principle of examination | Identification of procedure/equipment | Examined material | Degrees of freedom ¹ |
|------------------------------------|-------------------------------|---|--|-------------------|---------------------------------|
| 801 – Clinical Biochemistry | | | | | |
| 1. | Ions | Potentiometry | SOP/A-Bioch/012/v06, valid as of: 15/07/2022; SOP/A-Bioch/013/v06, valid as of: 15/07/2022; SOP/A-Bioch/014/v06, valid as of: 15/07/2022; cobas [®] pro | Serum | - |
| 2. | Enzymes | Absorption spectrophotometry | SOP/A-Bioch/015/v05, valid as of: 15/07/2022; SOP/A-Bioch/016/v05, valid as of: 15/07/2022; SOP/A-Bioch/017/v05, valid as of: 15/07/2022; SOP/A-Bioch/036/v05, valid as of: 15/07/2022; SOP/A-Bioch/037/v05, valid as of: 15/07/2022; SOP/A-Bioch/038/v05, valid as of: 15/07/2022; cobas [®] pro | Serum | - |
| 3. | Glucose | Absorption spectrophotometry | SOP/A-Bioch/018/v06 valid as of: 15/07/2022 cobas [®] pro | Serum, plasma | - |
| 4. | Tumour markers | Immunoassay with luminometric detection | SOP/A-Bioch/023/v05, valid as of: 15/07/2022; SOP/A-Bioch/045/v04, valid as of: 15/07/2022; cobas [®] pro | Serum | - |

**The Appendix is an integral part of
Certificate of Accreditation No. 211/2023 of 02/05/2023**

Accredited entity according to ČSN EN ISO 15189:2013:

Ústřední vojenská nemocnice - Vojenská fakultní nemocnice Praha

CAB Number 8195, Clinical Laboratories

U Vojenské nemocnice 1200/1, 169 02 Praha 6

| Ordinal number | Analyte/parameter/diagnostics | Principle of examination | Identification of procedure/equipment | Examined material | Degrees of freedom ¹ |
|----------------|------------------------------------|---|--|-------------------|---------------------------------|
| 5. | Proteins | Absorption spectrophotometry | SOP/A-Bioch/029/v05, Valid as of: 15/07/2022; SOP/A-Bioch/033/v05. valid as of: 15/07/2022; cobas [®] pro | Serum | - |
| 6. | Lipids | Absorption spectrophotometry | SOP/A-Bioch/031/v05, valid as of: 15/07/2022; SOP/A-Bioch/034/v05, valid as of: 15/07/2022; SOP/A-Bioch/035/v05, valid as of: 15/07/2022; SOP/A-Bioch/163/v01, valid as of: 15/07/2022; cobas [®] pro | Serum | - |
| 7. | Non-protein nitrogenous substances | Absorption spectrophotometry | SOP/A-Bioch/032/v05, valid as of: 15/07/2022; SOP/A-Bioch/039/v05, valid as of: 15/07/2022; SOP/A-Bioch/052/v03, valid as of: 15/07/2022; cobas [®] pro | Serum | - |
| 8. | Glycated haemoglobin | High-Performance Liquid Chromatography | SOP/A-Bioch/071/v02, valid as of: 25. 3. 2020; Tosoh G8 | Blood | - |
| 9. | Cardiac markers | Immunoassay with luminometric detection | SOP/A-Bioch/042/v04, valid as of: 15/07/2022; SOP/A-Bioch/043/v04, valid as of: 15/07/2022; cobas [®] pro | Serum | - |

**The Appendix is an integral part of
Certificate of Accreditation No. 211/2023 of 02/05/2023**

Accredited entity according to ČSN EN ISO 15189:2013:

Ústřední vojenská nemocnice - Vojenská fakultní nemocnice Praha

CAB Number 8195, Clinical Laboratories

U Vojenské nemocnice 1200/1, 169 02 Praha 6

| Ordinal number | Analyte/parameter/diagnostics | Principle of examination | Identification of procedure/equipment | Examined material | Degrees of freedom ¹ |
|-----------------------------------|--|--|--|---|---------------------------------|
| 10. | Total bilirubin | Absorption spectrophotometry | SOP/A-Bioch/049/v04, valid as of: 15/07/2022; cobas® pro | Serum | - |
| 11. | Acid-base balance | Potentiometry; Amperometry | SOP/A-Bioch/053/v03, valid as of: 16. 4. 2020; ABL800 Flex | Blood | - |
| 802 – Medical Microbiology | | | | | |
| 1. | Bacteriological examination of clinical material | Microscopy; Aerobic culture; Anaerobic culture | SOP/A - OKM/01/v06, valid as of: 18/01/2023 | Swab of wound, punctate, fistulae, abscess, redon, dialyzate, pus, tissue, decubitus, varicose ulster, acne, bile exudate, furuncle, gastric juice, middle ear, external auditory canal, ORL cavities, conjunctival sac, skin nidus | - |
| 2. | Bacteriological examination of foreign bodies | Aerobic culture; | SOP/A - OKM/01/v06, valid as of: 18/01/2023 | Drain, catheter, implant | - |
| 3. | Bacteriological examination of urogenital tract | Microscopy; Microaerophilic culture | SOP/A - OKM/02/v05, valid as of: 05/10/2022 | Vaginal, cervical, urethral swab, ejaculate, prostatic secretion | - |
| 4. | Qualitative examination of susceptibility of bacteria | Disk diffusion test | SOP/A - OKM/03/v07, valid as of: 04/01/2023 | Bacterial culture, | - |
| 5. | Quantitative examination of susceptibility of bacteria | Diffusion gradient method | SOP/A - OKM/04/v06, valid as of: 06/04/2022; | Bacterial culture | - |

**The Appendix is an integral part of
Certificate of Accreditation No. 211/2023 of 02/05/2023**

Accredited entity according to ČSN EN ISO 15189:2013:

Ústřední vojenská nemocnice - Vojenská fakultní nemocnice Praha

CAB Number 8195, Clinical Laboratories

U Vojenské nemocnice 1200/1, 169 02 Praha 6

| Ordinal number | Analyte/parameter/diagnostics | Principle of examination | Identification of procedure/equipment | Examined material | Degrees of freedom ¹ |
|----------------|--|---|--|---|---------------------------------|
| 6. | Quantitative examination of susceptibility of bacteria | Automatic | SOP/A - OKM/04/v06, valid as of: 06/04/2022; VITEK 2 | Bacterial culture | - |
| 7. | Bacteriological examination of lower respiratory tract | Microscopy; Aerobic culture; | SOP/A - OKM/05/v03, valid as of: 17/03/2022 | Sputum, BAL, ETK aspirate/swab | - |
| 8. | Antigens of infectious agents of the respiratory tract | Immunochromatography | SOP/A - OKM/05/v03, valid as of: 17/03/2022 | Urine | - |
| 9. | Bacteriological examination of upper respiratory tract | Aerobic culture | SOP/A - OKM/06/v 04, valid as of: 17/03/2022 | Cervical, nasal, oral, nasopharyngeal, laryngeal swab | - |
| 10. | Bacteriological examination of blood and primarily sterile body fluids | Aerobic culture; Anaerobic culture; (automatic) | SOP/A - OKM/07/v04, valid as of: 17/03/2022; BD Bactec FX | Blood, punctate, exudate, cerebrospinal fluid | - |
| 11. | Identification of bacteria. | Phenotyping | SOP/A - OKM/08/v07, valid as of: 04/06/2022 | Bacterial culture | - |
| 12. | Identification of bacteria. | Mass spectrometry | SOP/A - OKM/08/v07, valid as of: 04/06/2022; IVD MALDI Biotyper system – Microflex LT/SH | Bacterial culture | - |
| 13. | Bacteriological examination of cerebrospinal fluid | Microscopy; Aerobic culture | SOP/A - OKM/09/v06, valid as of: 06/04/2022 | CSF | - |
| 14. | Microbiological examination of urine, quantitative | Aerobic culture | SOP/A - OKM/10/v03, valid as of: 22/03/2022 | Urine | - |
| 15. | Microbiological examination of rectal swabs and stool | Aerobic culture; Anaerobic culture | SOP/A - OKM/11/v06, valid as of: 18/01/2023 | Rectal swabs, stool | - |
| 16. | Antigens of infectious agents | Immunochromatography | SOP/A - OKM/11/v06, valid as of: 18/01/2023 | Rectal swabs, stool | - |

**The Appendix is an integral part of
Certificate of Accreditation No. 211/2023 of 02/05/2023**

Accredited entity according to ČSN EN ISO 15189:2013:

Ústřední vojenská nemocnice - Vojenská fakultní nemocnice Praha

CAB Number 8195, Clinical Laboratories

U Vojenské nemocnice 1200/1, 169 02 Praha 6

| Ordinal number | Analyte/parameter/diagnostics | Principle of examination | Identification of procedure/equipment | Examined material | Degrees of freedom ¹ |
|----------------|---------------------------------------|---|---|--|---------------------------------|
| 17. | Serotyping of intestinal pathogens | Agglutination | SOP/A - OKM/11/v06, valid as of: 18/01/2023 | Bacterial culture | - |
| 18. | Antibodies to infectious agents | Immunoassay with luminometric detection | SOP/A - OKM/20/v02, valid as of: 02/08/2022; SOP/A - OKM/17/v01, valid as of: 08/12/2022 SOP/A - OKM/18/v01, valid as of: 10/06/2022 LIAISON XL | Serum, plasma | - |
| 19. | Antibodies to infectious agents | Immunoassay with photometric detection | SOP/A - OKM/19/v02, valid as of: 02/08/2022; | Serum, plasma | - |
| 20. | Antibodies to infectious agents | Immunoblotting | SOP/A - OKM/16/v02, valid as of: 07/04/2022 | Serum, plasma, synovial fluid, joint punctate | - |
| 21. | Hepatitis B virus surface antigen | Immunoassay with luminometric detection | SOP/A-Bioch/024/v06, valid as of: 15/07/2022; cobas [®] pro | Serum | . |
| 22. | HIV virus markers | Immunoassay with luminometric detection | SOP/A-Bioch/025/v06, valid as of: 15/07/2022; cobas [®] pro | Serum | - |
| 23. | Hepatitis C virus antibodies | Immunoassay with luminometric detection | SOP/A-Bioch/026/v05, valid as of: 15/07/2022; cobas [®] pro | Serum | - |
| 24. | Detection of DNA of infectious agents | Real-Time PCR | SOP - OKM/26/v04, valid as of: 17/01/2023; SOP - OKM/32/v04, valid as of: 17/01/2023 RotorGene Q, CFX 96,CFX OPUS | Urine, ejaculate, swab from eye, endocervix, urethra, rectum and oropharynx | - |
| 25. | Detection of DNA of infectious agents | Real-Time PCR | SOP – OKM/46/v03, valid as of: 17/01/2023; GeneXpert XVI | Blood | - |

**The Appendix is an integral part of
Certificate of Accreditation No. 211/2023 of 02/05/2023**

Accredited entity according to ČSN EN ISO 15189:2013:

Ústřední vojenská nemocnice - Vojenská fakultní nemocnice Praha

CAB Number 8195, Clinical Laboratories

U Vojenské nemocnice 1200/1, 169 02 Praha 6

| Ordinal number | Analyte/parameter/diagnostics | Principle of examination | Identification of procedure/equipment | Examined material | Degrees of freedom ¹ |
|--|---------------------------------------|---|---|------------------------------------|---------------------------------|
| 26. | Detection of RNA of infectious agents | Real-Time PCR | SOP – OKM/50/v01, valid as of: 06/10/2022; SOP – OKM/36/v03, valid as of: 17/01/2023; GeneXpert XVI | Nasopharyngeal swab, | . |
| 27. | Detection of RNA of infectious agents | Real-Time PCR | SOP – OKM/51/v01, valid as of: 11/01/2023; RotorGene Q, CFX 96,CFX OPUS | Nasopharyngeal swab, aspirate, BAL | . |
| 813 - Allergology and Immunology Laboratory | | | | | |
| 1. | C-reactive protein (CRP) | Immunoturbidimetry | SOP/A-Bioch/030/v05, valid as of: 15/07/2022; cobas [®] pro | Serum | - |
| 815 - Nuclear Medicine Laboratory | | | | | |
| 1. | Hormones | Immunoassay with luminometric detection | SOP/A-Bioch/019/v05, valid as of: 15/07/2022; SOP/A-Bioch/020/v06, valid as of: 15/07/2022; SOP/A-Bioch/021/v05, valid as of: 15/07/2022; SOP/A-Bioch/046/v04, valid as of: 15/07/2022; SOP/A-Bioch/047/v04, valid as of: 15/07/2022; cobas [®] pro | Serum | - |
| 2. | Tumour markers | Immunoassay with luminometric detection | SOP/A-Bioch/022/v05, valid as of: 15/07/2022; SOP/A-Bioch/044/v04, valid as of: 15/07/2022; cobas [®] pro | Serum | - |
| 3. | Myoglobin | Immunoassay with luminometric detection | SOP/A-Bioch/041/v05, valid as of: 15/07/2022; cobas [®] pro | Serum | - |

**The Appendix is an integral part of
Certificate of Accreditation No. 211/2023 of 02/05/2023**

Accredited entity according to ČSN EN ISO 15189:2013:

Ústřední vojenská nemocnice - Vojenská fakultní nemocnice Praha

CAB Number 8195, Clinical Laboratories

U Vojenské nemocnice 1200/1, 169 02 Praha 6

| Ordinal number | Analyte/parameter/diagnostics | Principle of examination | Identification of procedure/equipment | Examined material | Degrees of freedom ¹ |
|-------------------------------------|---|--|---|-------------------|---------------------------------|
| 818 - Haematology Laboratory | | | | | |
| 1. | Blood count with a five-part differential Leukocyte count | Fluorescent flow cytometry; Spectrophotometry-SLS method; Hydrodynamic focusing; Impedance method | SOPA-Hem/004/v09, valid as of: 14/10/2022; SOP/A-Hem/012/05, valid as of: 14/10/2022; Calibrator XN 103656; SYSMEX XN-10 | Blood | - |
| 2. | Activated partial thromboplastin time | Coagulation method with optical detection of coagulum | SOP/A-Hem/002/v06, valid as of: 20/09/2020; Cal 0020003700 IL; ACL TOP 550 and 500 IL | Plasma | - |
| 3. | Prothrombin test | Coagulation method with optical detection of coagulum | SOP/A-Hem/003/v05, valid as of: 15/08/2020; Cal 0020003700 IL; ACL TOP 550 and 500 IL | Plasma | - |
| 4. | Reticulocytes | Fluorescent flow cytometry | SOP/A-Hem/007/v05, valid as of: 14/10/2022; Sysmex XN 10 haematology analyzer | Blood | - |
| 5. | Differential leukocyte count | Microscopy | SOP/A-Hem/013/v05, 14/10/2022 | Blood | - |
| 6. | Differential leukocyte count | Digital microscopy | SOP/A-Hem/013/v05, valid as of: 14/10/2022; Sysmex DI-60 | Blood | - |
| 7. | Fibrinogen | Coagulation method with optical detection of coagulum | SOP/A-Hem/001/v04, valid as of: 18/09/2017, Cal 0020003700 IL; ACL TOP 550 and 500 IL | Plasma | - |
| 8. | Antithrombin | Chromogenic method | SOP/A-Hem/005/v06, valid as of: 15/11/2018; Cal 0020003700 IL; ACL TOP 550 and 500 IL | Plasma | - |
| 9. | Factor VIII | Coagulation method with optical detection of coagulum | SOP/A-Hem/008/v03, valid as of: 18/09/2017; Cal 0020003700 IL; ACL TOP 550 and 500 IL | Plasma | - |

**The Appendix is an integral part of
Certificate of Accreditation No. 211/2023 of 02/05/2023**

Accredited entity according to ČSN EN ISO 15189:2013:

Ústřední vojenská nemocnice - Vojenská fakultní nemocnice Praha

CAB Number 8195, Clinical Laboratories

U Vojenské nemocnice 1200/1, 169 02 Praha 6

| Ordinal number | Analyte/parameter/diagnostics | Principle of examination | Identification of procedure/equipment | Examined material | Degrees of freedom ¹ |
|----------------|-------------------------------|----------------------------|--|-------------------|---------------------------------|
| 10. | D-dimers | Latex - Immunoturbidimetry | SOP/A-Hem/009/v03, 18/09/2017, Cal 0020007722 IL; ACL TOP 550 and 500 IL | Plasma | - |
| 11. | Anti – Xa | Chromogenic method | SOP/A-Hem/006/v05, valid as of: 01/03/2019; Cal 0020300600 IL; ACL TOP 550 and 500 IL | Plasma | - |

Specification of the scope of accreditation:

| Field Nr. / Ordinal Number | Detailed information on activities within the scope of accreditation |
|----------------------------|---|
| 222/1 | Blood type AB0, Rh and Kell |
| 801/1 | Na ⁺ , K ⁺ , Cl ⁻ |
| 801/ 2 | Alanine aminotransferase (ALT), Aspartate aminotransferase (AST), Gamma glutamyltransferase (GGT), Alkaline phosphatase (ALP), Alpha amylase (Total amylase), Pancreatic alpha amylase (Pancreatic amylase) |
| 801/4 | Free prostate specific antigen (FPSA), Carbohydrate tumor antigen (CA 125) |
| 801/5 | Total protein, albumin |
| 801/6 | Cholesterol, Triacylglycerols, HDL-cholesterol, LDL-cholesterol |
| 801/7 | Uric acid, Urea, Creatinine |
| 801/9 | Troponine T (hs TNT), N-terminal fragment proBNP (NT-proBNP) |
| 801/11 | pH, pO ₂ , pCO ₂ |
| 802/8 | <i>Legionella pneumophila</i> , <i>Streptococcus pneumoniae</i> |
| 802/14 | Bacteria, yeasts |
| 802/15 | Bacteria, yeasts |
| 802/16 | Adenoviruses, Noroviruses, Rotaviruses, <i>Helicobacter pylori</i> , GDH and <i>Clostridioides difficile</i> toxin |
| 802/17 | Serotyping of Salmonella, Shigella, Yersinia, Vibrio cholerae, E. coli |
| 802/18 | <i>Borrelia burgdorferi sensu lato</i> in IgM and IgG class (AB/BORR IgG CLIA, S_AB/BORR IgM CLIA, P_AB/BORR IgG CLIA, P_AB/BORR IgM CLIA) CMV (AB/CMV IgG CLIA, AB/BORR IgM CLIA) |

**The Appendix is an integral part of
Certificate of Accreditation No. 211/2023 of 02/05/2023**

Accredited entity according to ČSN EN ISO 15189:2013:

Ústřední vojenská nemocnice - Vojenská fakultní nemocnice Praha

CAB Number 8195, Clinical Laboratories

U Vojenské nemocnice 1200/1, 169 02 Praha 6

| Field Nr. / Ordinal Number | Detailed information on activities within the scope of accreditation |
|----------------------------------|--|
| | <i>EBV(AB/VCA IgG CLIA, AB/VCA IgM CLIA, AB/EA IgG CLIA, AB/EBNA IgG CLIA)</i> |
| 802/19 | <i>Clostridium Tetani</i> in IgG class (S_AB/TET IgG Elisa) |
| 802/20 | <i>Borrelia burgdorferi sensu lato</i> in IgM and IgG class (S_WB Borr IgG, S_WB Borr IgM, P_WB Borr IgG, P_WB Borr IgM, J_WB Borr IgG, J_WB Borr IgM) |
| 802/21 | Hepatitis B virus surface antigen (HBsAg) |
| 802/22 | Antibodies to HIV- 1/HIV-2 and HIV-1 p24 antigen (Anti HIV1/2+p24) |
| 802/23 | Hepatitis C virus antibodies (Anti-HCV) total |
| 802/24 | DNA <i>Chlamydia trachomatis</i> ; DNA <i>Neisseria gonorrhoeae</i> |
| 802/25 | DNA HBV |
| 802/26 | RNA SARS-CoV-2; RNA HCV |
| 802/27 | RNA SARS-CoV-2 |
| 815/1 | Free triiodothyronine (FT3), Free thyroxine (FT4), Thyroid-stimulating hormone (TSH), Parathormone, Human chorionic gonadotropin (HCG) |
| 815/2 | Prostate specific antigen (PSA), Carcinoembryonic antigen (CEA) |
| 818/1 | WBC - Leukocytes, RBC - Erythrocytes, HGB - Haemoglobin, HCT - Haematocrit, PLT - Thrombocytes, MPV – Mean Plat.Vol., MCV - Mean.Corp.Vol., MCH - Mean Cor.Hgb., MCHC - Mean Cor.Hgb.Conc., RDW - Red Cell Distr.Width, PDW - PLT Distr. Width |
| 818/2 | APTT - patient time, APTT - control time, APTT - Ratio (R) |
| 818/3 | PT - patient time, PT - control time, PT - ratio, PT - INR |
| 818/5 | NK Neutrophils, NK Neutrophils absol, NK lymphocytes, NK Lymphocytes absol, NK monocytes, NK Monocytes absol, NK eosinophils, NK Eosinophils absol, NK basophils, NK Basophils absol. |

Primary sample collection:

| Ordinal Number ² | Sample collection technique | Identification of sample collection procedure | Collected material | Degrees of freedom ¹ |
|--------------------------------|-----------------------------|--|--------------------|---------------------------------------|
| 1. | Venepuncture | SOP/COP/004/v03, valid as of: 20/12/2022 | Venous blood | - |
| 2. | Capillary blood sampling | SOP/COP/004/v03, valid as of: 20/12/2022 | Capillary blood | - |

**The Appendix is an integral part of
Certificate of Accreditation No. 211/2023 of 02/05/2023**

Accredited entity according to ČSN EN ISO 15189:2013:

Ústřední vojenská nemocnice - Vojenská fakultní nemocnice Praha

CAB Number 8195, Clinical Laboratories

U Vojenské nemocnice 1200/1, 169 02 Praha 6

Explanatory notes:

¹ The laboratory does not apply a flexible approach to the scope of accreditation

Real-Time PCR Quantitative Real-Time Polymerase Chain Reaction