



**EA MLA Signatory**  
**Český institut pro akreditaci, o.p.s.**  
(Czech Accreditation Institute)  
**Hájkova 2747/22, Žižkov, 130 00 Praha 3**

issues

according to section 16 of Act No. 22/1997 Coll., on technical requirements for products and on changes and amendments to some Acts, as amended

# CERTIFICATE OF ACCREDITATION

No. 361/2025

**SEKK spol. s r.o.**  
**with registered office Arnošta z Pardubic 2605, Zelené Předměstí, 530 02 Pardubice**  
**Company Registration No. 64824195**

for the Proficiency Testing Provider No. 7004  
EQA Division

Scope of accreditation:

Proficiency testing / external quality assessment schemes in the field of biochemistry, haematology, immunology, pathology and transfusiology to the extent as specified in the appendix to this Certificate.

This Certificate of Accreditation is a proof of accreditation issued on the basis of assessment of fulfillment of the accreditation criteria in accordance with

**ČSN EN ISO/IEC 17043:2023**

In its activities performed within the scope and for the period of validity of this Certificate, the abovementioned Accredited Body is entitled to refer to this Certificate, provided that the accreditation is not suspended and the Accredited Body meets the specified accreditation requirements in accordance with the relevant regulations applicable to the activity of an accredited conformity assessment body.

This Certificate of Accreditation replaces, to the full extent, Certificate No.: 99/2024 of 01/03/2024, and/or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **01/03/2029**

Prague: 11/07/2025



Signed in the Czech original:  
Milena Lochmanová on 11/07/2025

**Milena Lochmanová**  
Director of the Department  
of Medical Laboratories  
Czech Accreditation Institute

This translation of the Czech original has been issued by: Jana Chvalovská

**The Appendix is an integral part of Certificate  
of Accreditation No. 361/2025 of 11/07/2025**

Accredited entity according to ČSN EN ISO/IEC 17043:2023:

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CAB number 7004, EQA Division  
Arnošta z Pardubic 2605, Zelené Předměstí, 530 02 Pardubice

**Proficiency testing schemes:**

Ordinal Number	PT scheme name; PT item; PT scheme identification	Measurands and characteristics
<b>Field of biochemistry</b>		
1.	<b>Acid-base Status and Electrolytes;</b> Simulation of whole blood properties by buffered solutions in the inert atmosphere; ABR	Potassium ionised (ISE), glucose, chloride ionised (ISE), lactate, pCO <sub>2</sub> , pH, pO <sub>2</sub> , sodium ionised (ISE), calcium ionised (ISE)
2.	<b>Basic Clinical Chemistry – Serum;</b> Blood serum; AKS	α-AMS, α-AMS pancreatic, γ-globulin - elpho, albumin, albumin - elpho, ALP, ALT, AST, bilirubin total, bilirubin direct, total protein, CK, potassium, inorganic phosphate, GGT, glucose, magnesium, chloride, cholesterol, cholinesterase, creatinine, uric acid, lactate, LD, lipase, lithium, urea, osmolality, sodium, triacylglycerides, calcium, calcium ionised, iron
3.	<b>Albumin in Urine;</b> Urine; ALB	ACR (albumin/creatinine ratio) , albumin, creatinine
4.	<b>Basic Clinical Chemistry – Urine;</b> Urine; AM	Total protein, potassium, inorganic phosphate, glucose, magnesium, chloride, creatinine, uric acid, urea, osmolality, pH, sodium, calcium
5.	<b>Bilirubin Neonatal;</b> Blood serum; BIL	Bilirubin total (neonatal), bilirubin direct
6.	<b>Cystatin C;</b> Blood serum; CC	Cystatin C

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Ordinal Number	PT scheme name; PT item; PT scheme identification	Measurands and characteristics
7.	<b>C-Reactive Protein;</b> Blood serum; CRP	C-Reactive Protein
8.	<b>C-Reactive Protein POCT;</b> Blood serum; CRPP	C-Reactive Protein
9.	<b>Cerebrospinal Fluid Analysis;</b> Cerebrospinal fluid simulation; CSFB	Albumin, total protein, glucose, IgA, IgG, IgM, lactate
10.	<b>Cerebrospinal Fluid Cytology;</b> Microscopic photography of CSF specimen; CSFC	Morphological identification of elements, syndromological classification of finding, etiological diagnosis
11.	<b>Cerebrospinal Fluid Diagnostics;</b> Cerebrospinal fluid simulation or CSF pool; CSFK	Albumin, glucose, IgA, IgG, IgM, intrathecal synthesis (presence and quantification of intrathecal immunoglobulin synthesis by Reiber calculation), lactate, evaluation of permeability of blood-CSF barrier by albumin quotient
12.	<b>Urine Strip Tests Analysis;</b> Urine; DGP	Bilirubin, total protein, glucose, hCG, ketone bodies, blood, WBC, nitrite, pH, urobilinogen
13.	<b>Hormones 1;</b> Blood serum; E1	17-OH-progesterone, aldosterone, DHEA-sulphate, estradiol, ferritin, cortisol, progesterone, T3 total, T3 free, T4 total, T4 free, testosterone, TSH
14.	<b>Hormones 2;</b> Blood serum; E2	C peptide, ferritin, FSH, hGH, IGF-I, IGF-BP3, insulin, folic acid, LH, prolactin, PTH, PTH 1-84, renin, SHBG, vitamin B <sub>12</sub> , vitamin B <sub>12</sub> (active)

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15.	<b>Glucose (including glucometers);</b> Blood serum; GLC	Glucose
16.	<b>Glycated Haemoglobin;</b> Blood preparation or native blood; KD	Glycated haemoglobin A <sub>1c</sub> (HbA <sub>1c</sub> )
17.	<b>Cardiac Markers;</b> Blood serum; KM	CK-MB mass, homocysteine, myoglobin, NT-proBNP, troponin I, troponin T BNP
18.	<b>Urinary Sediment Morphology;</b> Microscopic photography of urinary sediment specimen; MS	Identification of cells and elements of urinary sediment
19.	<b>Risk Factors for Atherosclerosis;</b> Blood serum; RFA	Lipoprotein apo AI, lipoprotein apo B, cholesterol, cholesterol HDL, cholesterol LDL, lipoprotein (a), triacylglycerides
20.	<b>Therapeutic Drugs;</b> Blood serum TDM	Digoxin, ethosuximide, phenobarbital, phenytoin, carbamazepine, valproic acid, lithium, primidone, theophylline; amikacin, gentamicin, methotrexate, vancomycin
21.	<b>Tumour Markers;</b> Blood serum; TM	β-2-microglobulin, AFP, CA 15-3, CA 19-9, CA 72-4, CA 125, CEA, CYFRA 21-1, hCG, calcitonin, NSE, p2PSA, PSA total, PSA free, S-100, SCCA, TPA, thyroglobulin

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22.	<b>Maternal Diagnostic Screening (Triple Tests);</b> Blood serum VVV	1 <sup>st</sup> trimester: free $\beta$ -hCG, PAPP-A (both absolute units and MoM ), PIGF (placental growth factor), risk estimation of M.Down and M.Edwards; 2 <sup>nd</sup> trimester: AFP, hCG, estriol free (both absolute units and MoM), risk estimation of M.Down, M.Edwards and NTD
<b>Field of haematology</b>		
23.	<b>Peripheral Blood Morphology Evaluation;</b> Peripheral blood smear; DIF	Leukocyte differential count, leukocyte morphology, RBC morphology, platelets morphology, clinical recommendations, appraisal of diagnosis
24.	<b>Haemocoagulation Tests;</b> Blood plasma; HKG	Antithrombin, APTT-ratio, fibrinogen, prothrombin test (INR and ratio), thrombin time (time and ratio)
25.	<b>Haemocoagulation Special;</b> Blood plasma; HS	Factor VIII, factor von Willebrand; factor IX, factor XI , factor XII; APC - resistance (qualitative), ProC Global, (normalized ratio), protein C, protein S; factor II, factor V, factor VII, factor X
26.	<b>INR measurement on POCT;</b> Blood plasma; INRP	Prothrombin test
27.	<b>Blood Count;</b> Blood; KO	WBC (count), RBC (count), haemoglobin, HCT, MCV, platelets (count), immature platelet fraction, RDW, MPV, PDW and parameters of 5-population differential count (neutrophils, lymphocytes, monocytes, eosinophils, basophiles)

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28.	<b>Peripheral Blood Smears – Photos;</b> Microscopic photography of peripheral blood smear; NF	Nuclear elements determination and basic morphology description, erythrocyte morphology, platelets morphology, schistocytes count
29.	<b>Reticulocytes;</b> Blood; RET	Reticulocyte count, (analyser), reticulocyte count (microscope), immature reticulocyte fraction, mean reticulocyte volume, mean amount of haemoglobin in reticulocytes
30.	<b>Erythrocyte Sedimentation Rate;</b> Blood; SED	Sedimentation in 1 hour, sedimentation in 2 hours
<b>Field of immunology</b>		
31.	<b>Autoimmune Liver Diseases;</b> Blood serum; AIH	AMA, AMA-M2, anti-gp210, anti-LC-1, anti-LKM, anti-LKM1, anti-SLA, anti-Sp100, SMA
32.	<b>Autoimmunity 1;</b> Blood serum; AIM1	ANA screening (antibodies against cell nucleus), ANA - type of fluorescence – nucleus, ANA screening (antibodies against cytoplasm), ANA - type of fluorescence – cytoplasm; anti-ENA antigens, anti-centromers; anti-dsDNA; anti- nucleosomes IgG
33.	<b>Antiphospholipid Antibodies;</b> Blood serum; APLA	anti-β2-glycoprotein 1 (screening, IgG, IgM), anti-cardiolipin (screening, IgG, IgM)

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34.	<b>Autoantibodies in Thyroid Diseases;</b> Blood serum; AT	anti-microsomes (TPO), anti-thyreoglobulin; anti-TSH receptor (TRAK)
35.	<b>Detection of Monoclonal Components;</b> Blood plasma, urine; GP	Plasma: determination and quantification of monoclonal immunoglobulin, total protein, FLC kappa, FLC lambda, index FLC kappa / FLC lambda; Urine: determination and quantification of monoclonal immunoglobulin, total protein
36.	<b>Type 1 Autoimmune Diabetes;</b> Blood serum; IDDM	anti-GAD, anti-IA-2
37.	<b>Immunophenotypisation;</b> Blood; IFT	Subpopulations of T lymphocytes, B lymphocytes, NK cells, HLA-B27
38.	<b>Immunopathology of GIT;</b> Blood serum; IGIT	anti-gliadin (deamidated) IgA and IgG; anti-endomysium IgA anti-transglutaminase IgA; anti-Saccharomyces cerevisiae IgA and IgG
39.	<b>Specific Proteins;</b> Blood serum; PRO	$\alpha$ -1-antitrypsin, $\alpha$ -2-macroglobulin, albumin, C-3 complement, C-4 complement, total protein, ceruloplasmin, IgA, IgG, IgM, haptoglobin, orosomucoid, prealbumin, soluble transferrin receptor (sTfR), transferrin
40.	<b>Diagnostics of Rheumatoid Arthritis and ASLO;</b> Blood serum; RF	anti-CCP IgG, anti-MCV IgG, rheumatoid factor (screening, IgA, IgG, IgM); anti-streptolysin O (ASLO) immunochemically

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41.	<b>Allergy Control Scheme (Total IgE);</b> Blood serum; TIE	Total IgE
<b>Field of pathology</b>		
42.	<b>Colorectal Carcinoma;</b> FFPE sections; CRC	Detection of <i>KRAS</i> , <i>NRAS</i> , <i>BRAF</i> genes mutations
<b>Field of transfusiology</b>		
43.	<b>Blood Group Serology;</b> Blood, blood serum; IH	Determination of AB0 blood group using blood cells and serum, subgroups of AB0 system, RhD antigen, additional RBC antigens other than AB0 and RhD, direct antiglobulin test, antierythrocyte antibody screening, antierythrocyte antibody identification, antibody titre, compatibility test

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*"This document is an appendix to the certificate of accreditation. In case of any discrepancies between the English and Czech versions, the Czech version shall prevail, both for the certificate appendix and the certificate itself."*