

**1. TITLE OF THE PROFESSION**

5 0914 03 05 Okleveles klinikai laboratóriumi szakasszisztens (Kémiai laboratóriumi szakasszisztens)

2. TRANSLATED TITLE OF THE PROFESSION

Clinical laboratory assistant (Chemical laboratory assistant)
(THIS TRANSLATION HAS NO LEGAL STATUS)

3. PROFILE OF SKILLS AND COMPETENCES

- carry out chemical and immunochemical tests on test samples, measure hormones, trace elements, tumour markers and drug levels, determine drugs and the presence of their metabolites;
- keep records of samples received for diagnostic processing in the laboratory information system following the medical request form and prepare them for the requested tests;
- operate haematology and chemistry analysers, perform tests on various samples and analyse the results;
- perform molecular biology tests, isolate the DNA and RNA, use the polymerase chain reaction (PCR) machine, operate the electrophoresis equipment, use the gel documentation system, prepare samples for toxicology tests and perform measurements using the high-performance liquid chromatography (HPLC) method and chemical analysers;
- submit and record results in the laboratory IT system.

4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE CERTIFICATE

3324 Medical laboratory assistant

(*) Explanatory notes:

¹ In the original language. | ² The translation of the designation is provided for information purposes only. | ³ Fill it out if necessary. The certificate supplement provides additional information on the qualification but has no legal value in itself. The format of the description is in conformity with Decision (EU) 2018/646 of the European Parliament and of the Council of 18 April 2018 on a common framework for the provision of better services for skills and qualifications (Europass) and repealing Decision No 2241/2004/EC.

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5. OFFICIAL BASIS OF THE CERTIFICATE

<p>Name and status of the authority issuing the certificate</p>	<p>Name and status of the national/regional authority providing accreditation/recognition of the certificate</p> <p>Ministry for Innovation and Technology</p>																		
<p>Level of the certificate (national or international)</p> <p>NQF level: 5</p> <p>EQF level: 5</p> <p>Digital Competence Framework level: 6</p>	<p>Grading scale / Pass requirements</p> <p>Five -grade: 5 excellent 4 good 3 satisfactory 2 pass 1 fail</p> <p>The prerequisite of being eligible to sit for a sectoral basic examination is the successful completion of all the required training courses, or the recognised prior learning should incorporate the requirements of the sectoral basic examination. The prerequisite of being eligible to sit for a vocational examination is the successful completion of all the training courses and the uninterrupted professional practice required. In case the student is required to pass a sectoral basic examination, latter shall be recognised with the following weighting: The result of the basic sectoral examination will be computed into that of the vocational examination with the following weighting: Sectoral basic examination: 10%, Vocational examination: 90%</p>																		
<p>Certificate number: CXK A</p> <p>Serial number: 123456</p> <p>Certificate issue date: 2023.12.07</p>	<p>Designation of the theoretical and practical subjects of the sectoral basic examination and the vocational examination and their grades according to a five-grade scale</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Sectoral basic examination : The examination was passed based on recognised prior learning</td> </tr> <tr> <td colspan="2">Vocational examination</td> </tr> <tr> <td colspan="2">central interactive</td> </tr> <tr> <td>Chemical laboratory knowledge</td> <td style="text-align: center;">5</td> </tr> <tr> <td colspan="2">project exercise</td> </tr> <tr> <td>Chemical laboratory diagnostics</td> <td style="text-align: center;">5</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <td>Result of the vocational examination in percentage</td> <td style="text-align: center;">100%</td> </tr> <tr> <td>Result of the vocational examination with grades</td> <td style="text-align: center;">5</td> </tr> </table>	Sectoral basic examination : The examination was passed based on recognised prior learning		Vocational examination		central interactive		Chemical laboratory knowledge	5	project exercise		Chemical laboratory diagnostics	5			Result of the vocational examination in percentage	100%	Result of the vocational examination with grades	5
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<p>Access to next level of education/training</p> <p>To higher education</p>	<p>International agreements</p>																		
<p>Other information concerning the vocational training process</p> <p>The certificate holder enrolled in a certified technician training programme has completed a vocational training programme developed jointly by the vocational training institution and the higher education institution on the basis of a cooperation agreement.</p>																			
<p>Legal basis</p> <p>Government Decree 12/2020 (II. 7.) on the Implementation of the Vocational Education and Training Act, Government Decree 319/2020 (VII. 1.) on the amendment of Government Decree 12/2020 (II. 7.) on the Implementation of the Vocational Education and Training Act, Act LXXX of 2019 on Vocational Education and Training.</p>																			

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE SUPPLEMENT

Description of the sectoral basic training and the theoretical and practical vocational training	Distribution of the total number of hours of the programme
Total duration of the education/training	3483 hours

Entry requirements:

- For a 6-year vocational training programme, elementary school qualification is required; for a 3-year vocational training programme, secondary school-leaving certificate is needed
- Occupational aptitude test is required in accordance with Decree 40/2004 (IV. 26.) ESzCsM of the Minister of Health, Social and Family Affairs

Further information:

VOCATIONAL PRACTICAL SUBJECT	HOURS
Targeted medication	12 hour
Complex clinical simulation practice	12 hour
Vital signs and injection clinical practices	12 hour
Cell biology	12 hour
General nursing and care	12 hour
Basic pharmacology knowledge	12 hour
General laboratory knowledge	12 hour
Basic rehabilitation knowledge and physiotherapy	12 hour
Internal medicine and care	12 hour
Surgery and care	12 hour
Knowledge of clinical diseases and their treatment	12 hour
Clinical practice	12 hour
Organic chemistry and biochemistry	12 hour
Immunology	12 hour
Introduction to genetics	12 hour
Instrumentation and measurement techniques	12 hour
Laboratory basics	12 hour
Diagnostic basics	12 hour
Haematology and transfusion diagnostics	12 hour
Haemostasis diagnostics	12 hour
Microbiological diagnostics	12 hour
Clinical chemistry diagnostics	12 hour
Clinical biochemistry and laboratory testing of organ systems	12 hour
Haematology	12 hour
Haemostaseology	12 hour
Instrumental analytics	12 hour
Immunology and immunochemistry	12 hour
Toxicology and therapeutic drug monitoring	12 hour
VOCATIONAL THEORETICAL SUBJECT	HOURS
Vocational knowledge	12 hour
Vocational foreign language knowledge	12 hour
Basics of medical ethics and patient rights	12 hour
Basics of communication	12 hour
Anatomy of the human body	12 hour
Basics of first aid	12 hour
Work safety, patient safety	12 hour
Basic nursing and care	12 hour
Targeted medication	12 hour
Basics of professional chemistry and biochemistry	12 hour
Basics of professional physics and biophysics	12 hour
Health informatics	12 hour
Medical terminology	12 hour
Basics of health law and ethics	12 hour
Cell biology	12 hour
The human body and its functioning	12 hour
Basic hygiene measures	12 hour

General nursing and care	12 hour
Basic pharmacology knowledge	12 hour
Communication	12 hour
General laboratory knowledge	12 hour
Basic rehabilitation knowledge and physiotherapy	12 hour
Basics of sociology	12 hour
Basics of psychology	12 hour
Public health, health promotion	12 hour
Basic pedagogical and patient education knowledge	12 hour
Internal medicine and care	12 hour
Surgery and care	12 hour
Knowledge of clinical diseases and their treatment	12 hour
Obstetrical and gynaecological clinical practice	12 hour
Neurological clinical practice	12 hour
Psychiatric clinical practice	12 hour
Geriatric clinical practice	12 hour
Organic chemistry and biochemistry	12 hour
Immunology	12 hour
Introduction to genetics	12 hour
Instrumentation and measurement techniques	12 hour
Laboratory basics	12 hour
Diagnostic basics	12 hour
Haematology and transfusion diagnostics	12 hour
Haemostasis diagnostics	12 hour
Microbiological diagnostics	12 hour
Clinical chemistry diagnostics	12 hour
Clinical biochemistry and laboratory testing of organ systems	12 hour
Haematology	12 hour
Haemostaseology	12 hour
Instrumental analytics	12 hour
Immunology and immunochemistry	12 hour
Toxicology and therapeutic drug monitoring	12 hour
Continuous field practice	160 hour
Altogether	1084 hour

Link to the Training and Outcome Requirements and the Programme Plans: <https://ikk.hu>

The present diploma supplement was elaborated in compliance with Government Decree 12/2020 (II. 7.) on the implementation of the Act on Vocational Education and Training.

National Reference Point: National Office of Vocational Education and Training and Adult Learning: <https://nrk.nive.hu>

Head of Examination Organiser:

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