



1. TITLE OF THE PROFESSION

5 0914 03 10 Szövettani szakasszisztens (Immunhisztokémiai, hisztokémiai és molekuláris biológiai szakasszisztens)

2. TRANSLATED TITLE OF THE PROFESSION

Histology assistant (Immunohistochemistry, histochemistry and molecular biology assistant)
(THIS TRANSLATION HAS NO LEGAL STATUS)

3. PROFILE OF SKILLS AND COMPETENCES

- use immunohistochemical methods to detect antigens in cells and tissue sections by exploiting antibody specificity;
- use protocols to run tests and perform reactions, mostly with automated equipment;
- use molecular biology methods to identify gene rearrangements and point mutations, use DNA sequencing to identify genetic diseases;
- use fresh or formalin-fixed paraffin-embedded tissue sections cut and prepared for laboratory examination, isolate DNA and RNA from samples;
- have a high level of technological and professional knowledge and improve it on a continuous basis;
- Perform basic serological tests (agglutination, precipitation, neutralisation) according to protocol;
- Measure and document vital signs during patient monitoring;
- Perform enzyme-histochemical detection in normal and pathological processes;
- Perform immunohistochemical reactions, depending on the type of antigen and test material present in the tissues, plan the appropriate sample preparation method and apply the selected pre-treatment procedure in a professional manner;
- Follow the "rule of three" when receiving test samples in the molecular biology laboratory, coordinate patient and clinical data, and perform administration and material starting in the medical system;
- Isolate nucleic acid from biological test samples;
- Perform chromosome culture and chromosome staining for conventional cytogenetic analysis;
- Technically pre-evaluate the result of in situ hybridisation and its pattern, applying light or fluorescence microscopes for the evaluation;
- Use personal protective equipment when processing biological samples. Apply the quality assurance standards of the immunohistochemistry and molecular biology laboratory;
- Apply the quality assurance standards of the immunohistochemistry and molecular biology laboratory.

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 of Culture and Innovation</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: 5</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: 2024.12.12</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> <p>Sectoral basic examination : The examination was passed based on recognised prior learning</p> <p>Vocational examination</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">central interactive</td> </tr> <tr> <td style="width: 80%;">Histology assistant (Immunohistochemistry, histochemistry and molecular biology assistant) professional skills</td> <td style="text-align: center;">5</td> </tr> <tr> <td colspan="2">project exercise</td> </tr> <tr> <td>Histology assistant (Immunohistochemistry, histochemistry and molecular biology assistant) project task</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Examination part A: Practical exam task in workplace and simulation conditions</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Examination part B: Professional discussion related to part A</td> <td style="text-align: center;">5</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>	central interactive		Histology assistant (Immunohistochemistry, histochemistry and molecular biology assistant) professional skills	5	project exercise		Histology assistant (Immunohistochemistry, histochemistry and molecular biology assistant) project task	5	Examination part A: Practical exam task in workplace and simulation conditions	5	Examination part B: Professional discussion related to part A	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>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, Government Decree 95/2021 (II. 27.) on the Amendment of Certain Government Decrees Relating to Vocational Education and Training and Adult Training, Act LXXX of 2019 on Vocational Education and Training, Government Decree 292/2023 (VII. 6.) on the amendments to government decrees due to the ex-post impact assessment of the transformation in 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	4 years

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
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
Basics of histotechnology	12 hour
Histochemistry	12 hour
Histotechnology knowledge	12 hour
Histochemical diagnostic methods	12 hour
Immunohistochemical methods	12 hour
Skill development in performing immunohistochemical reactions	12 hour
Pathology laboratory management	12 hour
Basic tasks to perform in a molecular biology laboratory	12 hour
Molecular diagnostic testing methods	12 hour
Special testing methods in pathodiagnostic practice	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
Human biology	12 hour
Histopathology	12 hour
Basics of histotechnology	12 hour
Histochemistry	12 hour
Histotechnology knowledge	12 hour
Histochemical diagnostic methods	12 hour
Immunohistochemical methods	12 hour
Pathogenetic aspects of immunohistochemical biomarkers	12 hour
Skill development in performing immunohistochemical reactions	12 hour
Pathology laboratory management	12 hour
Cell biology and genetics	12 hour
Basic tasks to perform in a molecular biology laboratory	12 hour
Molecular diagnostic testing methods	12 hour
Special testing methods in pathodiagnostic practice	12 hour
Continuous field practice	160 hour
Altogether	1072 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:

Issue date: 2024.12.12

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