

### 1. Title of the certificate <sup>1</sup>

**Δίπλωμα Επαγγελματικής Ειδικότητας Εκπαίδευσης και Κατάρτισης Επιπέδου 5 Ειδικότητα Ι.Ε.Κ.:  
ΙΑΤΡΙΚΩΝ ΚΑΙ ΒΙΟΛΟΓΙΚΩΝ ΕΡΓΑΣΤΗΡΙΩΝ – ΑΙΜΑΤΟΛΟΓΙΚΟΥ ΕΡΓΑΣΤΗΡΙΟΥ**

### 2. Translated title of the certificate <sup>2</sup>

**Vocational Training Diploma Initial Vocational Training (I.E.K.) Level 5. Specialty of I.E.K.:  
MEDICAL AND BIOLOGICAL LABORATORIES - HAEMATOLOGICAL LABORATORY TECHNICIAN**

### 3. Profile of skills and competences

LEARNING OUTCOMES (KNOWLEDGE, SKILLS, COMPETENCES). A typical holder of the certificate is able to:

#### KNOWLEDGE

- Describe in summary the normal operations of the systems in the human body.
- List the amorphous and the cellular elements of blood, including the ingredients thereof.
- State the definitions of antigens and antibodies and the ABO blood antigen system and Rhesus.
- Recognize the normal values of the numbers of blood cells, the volume and content of the erythrocyte and for the leukocyte distribution indicators.
- Summarise the blood diseases involving the bone marrow and its components, the spleen and the lymph nodes.
- Understand the main blood analysis techniques either using automated machinery (analyzers) or manual methods.
- Describe the infectious agents and modes of transmission thereof, compared with the blood but in the hospital and laboratory environment.
- Analyse the hygiene and safety regulations of a laboratory of haematology / blood donation and the ways of protection against infectious agents through measures of antisepsis, disinfection, and sterilization.
- State the methods for sterilizing materials and consumables in a laboratory of haematology / blood donation.
- Summarize the ways for disposing samples from a haematology laboratory.

#### SKILLS

- Take the samples to be tested and classifies them according to the prescribed tests per sample.
- Undertake, under supervision, the blood collection from patients in the laboratory.
- Prepare blood samples from patients and prepares the blood analyser to perform automated tests.
- Apply the protocols for flow, coagulation, and blood fibrinolysis tests.
- Perform, under supervision, prescribed electrophoreses of blood samples.
- Prepare nutrients and solutions for the development / identification of bacteria coming from blood samples of patients.
- Perform, under supervision, microbial identification tests using protocols and techniques based on morphological, biochemical or molecular data.
- Check the compatibility between different blood samples for use in blood transfusion to a patient.
- Attend to the safety, hygiene and cleanliness of the area of the haematology laboratory.
- Enter results in the system, keeping records of patients and classifies the test results.
- Maintain, implement and comply with the hygiene measures of the haematology laboratory or of the blood donation laboratory.
- Report any problems concerning the operation / maintenance of the machines and, upon approval by the person in charge, can organize the relevant repairs.

#### COMPETENCES

- Work under the supervision of the person responsible for the haematology laboratory.
- Collaborate smoothly with the remaining personnel with the purpose of ensuring the proper and effective operation of the institution, hospital, or laboratory employing him/her.

### 4. Range of occupations accessible to the holder of the certificate <sup>3</sup>

The holder of the Diploma of this specialization can work as a member of Laboratory groups/Hematology Laboratory units in the public or private sector, assisting the relevant university graduate Hematologist in the diagnostic tasks.

The Vocational Training Diploma is recognised as a qualification for appointment in the public sector falling in the category S.E. (Secondary Education) according to the Presidential Decree no.50/2001 (Greek Official Gazette 39/Vol.A/5-3-2001).

<sup>1</sup> In the original language. | <sup>2</sup> If applicable. This translation has no legal status. | <sup>3</sup> If applicable.

## 5. Official basis of the certificate

### Body awarding the certificate

E.O.P.P.E.P.  
(National Organisation for the Certification of  
Qualifications and Vocational Guidance )  
Ethnikis Antistaseos 41 Avenue, 142 34 N. Ionia  
<https://www.eoppep.gr/>

### Level of the certificate (national or European) <sup>1</sup>

Level 5 National and European Qualifications Framework

### Access to next level of education / training <sup>1</sup>

Yes

### Legal basis

Law 2009/1992 on the National System of Vocational Education and Training  
Law 4186/2013 on the Restructure of Secondary Education  
Law 4763/2020 on National System of Vocational Education, Training and Lifelong Learning

### Authority providing accreditation / recognition of the certificate

E.O.P.P.E.P.  
(National Organisation for the Certification of Qualifications  
and Vocational Guidance )  
Ethnikis Antistaseos 41 Avenue, 142 34 N. Ionia  
<https://www.eoppep.gr/>

### Grading scale / Pass requirements

a) acquisition of the Vocational Training Certificate (V.E.K.) after successful completion of study at the Vocational Training Institute (I.E.K.)  
b) acquisition of the Vocational Training Diploma after:  
1. success in the theoretical part of Initial Vocational Training certification examinations (Grading scale = 1-20, Pass = 10) and  
2. success in the practical part of the Initial Vocational Training certification examinations (Pass/Fail)

### International agreements on recognition of qualifications <sup>1</sup>

No

## 6. Officially recognised ways of acquiring the certificate

Total duration of the education / training leading to the certificate  
Success in the the Initial Vocational Training certification examinations  
4 semesters (until law 4186/2013) / 5 semesters (after law 4186/2013)

## 7. Additional information

### Entry requirements <sup>1</sup>

Certificate of Upper Secondary School. Qualification of Level 4 (NQF/EQF) // Certificate Vocational Training School (SEK) – Qualification of Level 3 (NQF/EQF)  
Following the voting of L. 4763/2020, only by an Upper Secondary Education certificate or an equivalent title of studies (Qualification of Level 4 NQF/EQF)

### Indicative subjects taught:

Basic Notions of Biology—Physiology, Microbiology, Biochemistry I & II, Sterilisations and Laboratory Ware, Haematology I & II - coagulation - fibrinolysis, Blood Diseases I & II, Blood Bank, Immunology, Hospital-Acquired Infections and Hygiene, Laboratory Apparatus Technology, Safety and Ethics, PC Use, English language.

### More information

National Qualifications Framework : <https://nqf.gov.gr/> and <https://proson.eoppep.gr/en>

National Europass Centre: **EL/NEC - E.O.P.P.E.P.** National Organisation for the Certification of Qualifications and Vocational Guidance, Ethnikis Antistaseos 41 Avenue, 142 34 N. Ionia, Greece. T.0030 2102709000 [europass@eoppep.gr](mailto:europass@eoppep.gr)  
<http://europass.eoppep.gr> [www.eoppep.gr](http://www.eoppep.gr)

<sup>1</sup> If applicable.