

## Immunohematology training program

For blood bank technicians

### Level 2

#### Course Objective

The fundamentals of serological investigation of warm autoantibody hemolytic anemias are reviewed. The physiopathology of this type of anemia and the transfusion modalities are discussed. The different laboratory techniques used in the resolution of this type of case as well as the manufacturers' inserts are presented. In addition, a few cases are presented to observe the possible particularities according to the laboratory results obtained. The function of antibodies in the humoral immune system response as well as the process of complement activation and its role in immune defense are presented. The genotyping results and interpretation of the serological reports are reviewed.

#### Training Program

- Classification of autoimmune hemolytic anemias and review of techniques related to their investigation
- Physiopathology of this type of anemia and transfusion modalities
- Function of antibodies in the humoral response of the immune system
- Activation process and role of complement in immune defense
- Basics of genotyping and serology reports

#### Duration and terms

12 hours of theoretical training - Online training (3 months of access to content)

- 4 hours of videos
- 10 modules
- 4 case studies

Level 1 courses are offered in French and in English.

#### Accredited training

The hours of training offered in Level 1 (20h) of Héma-Québec's erythrocyte immunology course are recognized by the **Ordre professionnel des technologistes médicaux du Québec** and by the **Canadian Society for Medical Laboratory Science**.



Register

#### Do you have questions about the immunohematology training program?

Contact us!

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