

Learning objectives – mandatory

The fulfilled and assessed learning objectives must be marked **by the student** with an x.

The **assessment** can be performed by the mentor in three ways: **direct observation** of the student during performance of a clinical activity (see page ii), **CPY task** (see page P4-P6), **Mini-CEX/DOPS** (see page v-vi). At the end of completion of the CPY tertial in the respective department, fulfilment of the learning objectives must be signed off by the mentor.

Competence	Objectives completed
Pre-analysis	
1. Assessment of suitable immunodiagnostic tests for clinical questions	<input type="radio"/>
2. Recognition and avoidance of significant pre-analytic errors	<input type="radio"/>
3. Knowledge of the appropriate test material for individual laboratory analyses	<input type="radio"/>
Analysis – performance of assay methods	
4. Indication and practical experience in the use of immunodiagnostic methods in at least one of the following areas of immunology (optionally the methods can also be performed by the student him/herself under supervision): Auto-immunodiagnostics, assessment of immune deficiencies, allergy diagnosis, assessment of inflammatory reactions, cellular typing of leukaemias and lymphomas	<input type="radio"/>
5. Leukocyte typing using flow cytometry	<input type="radio"/>
6. Performance of immunoassays to determine autoantibodies	<input type="radio"/>
Interpretation of findings	
7. Evaluation and interpretation of test results in at least one of the following areas of immunology including a summary of the most important features for diagnosis and differential diagnosis and possibly indication for further laboratory analyses: Auto-immunodiagnostics, assessment of immune deficiencies, allergy diagnosis, assessment of inflammatory reactions, cellular typing of leukaemias and lymphomas	<input type="radio"/>
8. Evaluation of leukocyte typing	<input type="radio"/>
Communication with patient/team	
9. Communication with other healthcare professionals in the laboratory team, e.g. for coordinating the testing sequence in the diagnostic process or for clarifying implausible test results etc.	<input type="radio"/>
10. Communication with clinical senders, e.g. in the case of uncertainty regarding the indication for referral or for transmission or discussion of test results etc.	<input type="radio"/>
11. Participation in case reviews	<input type="radio"/>
12. Presentation of diagnostic cases	<input type="radio"/>

Competence

Objectives completed

Documentation

- | | |
|--|-----------------------|
| 13. Basic understanding of automation processes in the laboratory | <input type="radio"/> |
| 14. Basic understanding of the technical and medical validation of test results | <input type="radio"/> |
| 15. Basic understanding of the laboratory information system | <input type="radio"/> |
| 16. Knowledge and use of instruments of quality management | <input type="radio"/> |
| 17. Documentation of test results | <input type="radio"/> |
| 18. Understanding and use of measures for the evaluation of a laboratory test in terms of its sensitivity, specificity, precision, accuracy and positive/negative predictive value | <input type="radio"/> |
| 19. Basic understanding necessary to define reference ranges and cut-off | <input type="radio"/> |

Verified by mentor

Learning objectives – optional

In addition to the competences that are mandatory to achieve, optional competences from the training programmes may also be acquired.

Competence as per training programme	Objectives completed
	<input type="radio"/>
	<input type="radio"/>
	<input type="radio"/>
	<input type="radio"/>
	<input type="radio"/>
	<input type="radio"/>
	<input type="radio"/>
	<input type="radio"/>
	<input type="radio"/>
	<input type="radio"/>
	<input type="radio"/>
	<input type="radio"/>
	<input type="radio"/>
	<input type="radio"/>
Verified by mentor	

