

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 clinical data in order to choose the appropriate test/investigation procedures	<input type="radio"/>
2. Assessment of suitable medical laboratory tests for clinical questions	<input type="radio"/>
3. Knowledge of the appropriate investigation materials for individual laboratory analyses	<input type="radio"/>
4. Knowledge of the correct delivery modalities for various investigation materials for the identification of bacterial pathogens and fungal infections (collection, transportation and storage of investigation materials)	<input type="radio"/>
5. Recognition and avoidance of significant pre-analytic errors	<input type="radio"/>
Analysis – performance of routine skills and procedures	
6. Preparation and microscopy of gram stains	<input type="radio"/>
7. Creating, processing and reading simple cultures	<input type="radio"/>
8. Creating and reading of an antibiogram	<input type="radio"/>
9. Performance of point-of-care tests	<input type="radio"/>
Interpretation of findings	
10. Evaluation and interpretation of microbiological findings in the areas of sepsis, urinary and stool diagnostics	<input type="radio"/>
Communication	
11. On-going communication with other healthcare professionals in the laboratory team, e.g. for coordinating the methodology sequence in the diagnostic process or for clarifying implausible results etc.	<input type="radio"/>
12. On-going communication with clinical senders, e.g. in the case of uncertainty regarding the indication of referral or for notification or discussion of test results etc.	<input type="radio"/>
13. Joint discussion of current cases with treating clinicians regarding the use of microbiological diagnostic procedures in specific situations	<input type="radio"/>
14. Presentation of diagnostic cases	<input type="radio"/>
15. Participation in interdisciplinary meetings (e.g. microbiology, hospital hygiene, infectiology) at the individual hospital where possible	<input type="radio"/>

Competence

Objectives completed

Documentation, laboratory organisation and quality assurance

16. Basic knowledge of quality management in clinical microbiology	<input type="radio"/>
17. Documentation of test results	<input type="radio"/>
18. Basic understanding of the technical and medical validation of test results	<input type="radio"/>
19. Basic understanding of the interpretation of antibiograms and antimycograms, taking into account EUCAST European standards	<input type="radio"/>
20. Basic understanding of applications of the laboratory information system and its interface with the hospital information system	<input type="radio"/>
21. Application of relevant legislation and mandatory reporting requirements	<input type="radio"/>
22. Understanding and use of measures to evaluate the quality of a laboratory test (e.g. sensitivity, specificity, positive and negative predictive value etc.)	<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
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Verified by mentor	

