

## P10 Clinical microbiology I – general

**To study:** Sampling, specimen transport (from textbooks, www etc.)

**From spring term:** Microscopy

### Task 1: Indications for microbiological examination

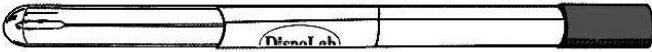
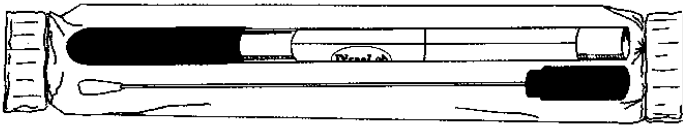
For following casuistries, fill in the table.

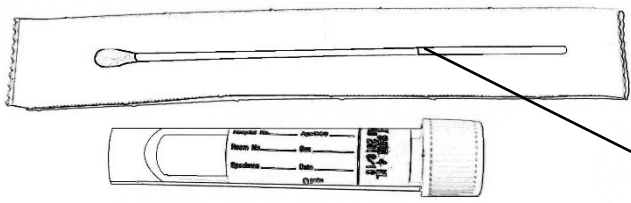
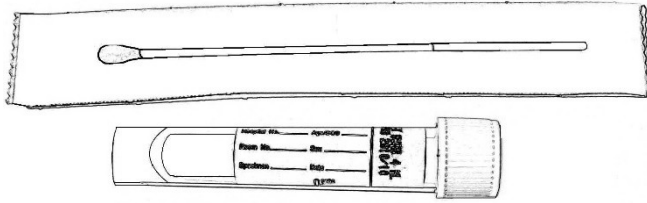
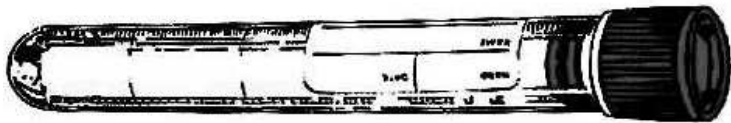
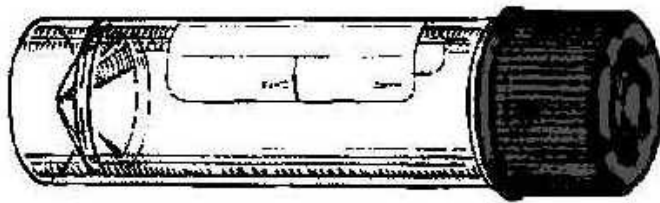
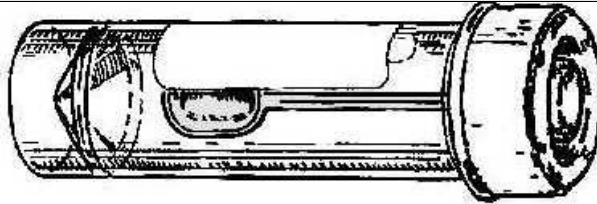
- ❶ Fill in always the case description (left column).
- ❷ Try to find out your solution. Try to structure your answer as follows:  
 Microbiological examination: yes/no
  - ❖ **yes** → select a specimen
  - ❖ **no** → select other steps, e. g. direct treatment – what antibiotics etc.)
- ❸ After the three minute limit, write down a correction according to the teacher’s explanation.

	Description of a case	Your solution (⌚ 3 minutes)	Correction according to the teacher’s explanation
<b>a</b>			
<b>b</b>			
<b>c</b>			
<b>d</b>			

### Task 2: Swabs and vessels

Observe the swabs in your table and fill in their “identity cards”.

Name: Plain swab		
	Stick material	plastic, wood, aluminium
	Swab material	synthetic cotton
Practical use:		
Name: Swab with Amies transport medium		
	Stick material	plastic or aluminium
	Swab material	synthetic cotton
	Medium	Amies (Stuart, Cary Blair)
<i>Note: The medium may contain charcoal (then it is black); without charcoal, it would be colourless.</i>		
Practical use:		
Variant with aluminium stick is used for		

<b>Name: Fungi-Quick swab</b>		
	Stick material	plastic
	Transport medium colour	colourless
	Cap colour	
Practical use:		
<b>Name: C. A. T. swab</b>		
	Stick material	plastic
	Transport medium colour	colourless
	Cap colour	
Practical use:		
<b>Name: Common test tube for microbiology</b>		
	Sterile? (yes or no)	
	Description	made of polystyrene, 16 × 100 mm, 10 ml
Practical use:		
<b>Name: Sputum test tube</b>		
	Sterile? (yes or no)	
	Description	made of polystyrene or polypropylene, 26 × 92 mm, 30 ml
Practical use:		
<b>Name: Stool container</b>		
	Sterile? (yes or no)	
	Description	made of polypropylene, 26 × 82 mm, 30 ml
Practical use:		





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**b) Indirect diagnostic interpretation**

Interpret several clinical situations with data given on the card. Do not forget to make your interpretation on the base of both clinical findings and laboratory results (clinical findings)

Rewrite from the card (simplify the sentences)		Conclusion
Clinical situation	Serology examination results	

Notes (correction of your conclusion done by the teacher)