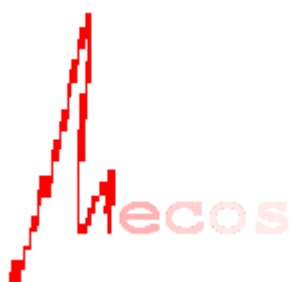


MECOS-C2-MECO-GYNECOL technique for gynecological slide tests

Specification

Combine platform	1 M-9	1/4/8/50/200 O-9 of loaded slides; Walk-Away mode
Downloading glass	1	1 / 4 / 8 / 50 / 200
Types of specimens	Handmade smears labeled U,C,V; slides of liquid cytology processor	
Slide	76 x 26 x 1 mm glass	
Automated shooting, resolution micron	0.23; 0.2 (option); 0.14	
Immersion oil	manual	automaton
Objective change	manual	automaton
Condenser tuning	manual	automaton
Specimen image type produced	VS 2D (panorama of the scanning area) at given resolutions	
Boundaries of the scanning area detection	<ul style="list-style-type: none"> - interactively in the window of the specimen live video on the monitor; - automatically of pre-installed areas; - interactively on the map of the glass; - automatically on the map of the glass at contrasting boundaries of the specimen / in the U,C,V regions 	
Results automatically (2AR) with fixation in the database (DB)	VS 2D production by the scanning areas scan with focusing extrapolation on the scanning area / autofocusing each frame	
2AR glass per hour	Up to 20	
Results 1 Opinion (1AR) by 2AR controlled on the workplace of the platform	view the 2D VS by a browser with map navigation, moving and zooming of the VS fragment, with an indication of the viewing area in the "fields of view", with the fixation of areas of interest on the map for re-view, with graphic comments, measurement of objects, conclusion on the form	
1AR by 2AR control at the LIN workplace	Installation of PARAS browsers in the LIN workplace. Export selected 2AR from the DB to the LIN. Interactive analysis of the 2AR in the LIN workplace. Import 1AR from the LIN to the DB	
Working with AR on a remote access server mecosvirt.ru when connecting to the Internet	<ul style="list-style-type: none"> - the possibility of automatic export of selected AR from the DB to the remote access server with simultaneous placement of up to 5 or up to 100 (optional) AR on the page of the combine-exporter on the server website; - the personal office of server website visitor to the exporter's page; - individual/collective viewing by visitors of the RA by using built-in browser without additional software, with the fixation of areas of interest on the map for re-view, with graphic comments, measurement of objects, conclusion on the form 	
Working with AR on the MECOSMonitor support server, updating the software when connecting to the Internet	The possibility of exporting 1AR (1 opinion) from the platform DB to the training database on the support server to train automatic analyzers to form specialized types of scanning areas. Remote update by the manufacturer of versions of combine software after their modernization training	



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 ISO 13485-2017 GMP

Example of the form of the results of visual analysis of the VS

Analysis of cytological slide of locations U, C, V

Lab ID	Slide ID	Cytopathologist ID			Date
Material		U	C	V	
Flat epithelium <5 5-10 10-20 >20					
Leukocytes <5 5-10 10-20 >20					
Erythrocytes <5 5-10 10-20 >20					
Mucus					
Gonococci <5 5-10 10-20 >20					
T rihomonadas <5 5-10 10-20 >20					
Yeast fungi <5 5-10 10-20 >20					
Key cells <5 5-10 10-20 >20					
Diplococci <5 5-10 10-20 >20					
Bacilli <5 5-10 10-20 >20					
Leptotrix <5 5-10 10-20 >20					
Pseudomyceli й <5 5-10 10-20 >20					
Blastspores <5 5-10 10-20 >20					
Viewing: in the "fields of view" 100x; %					
Material quality					
% of non-representative area of the VS					

Technique of the slide	Virtual slide resolution μm		
Consultation LIS	Telemedicine consultation	Export to maintenance server	