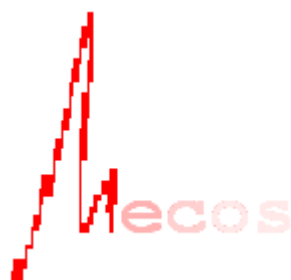


Microscopy combine MECOS-C2

Specification of the Scanner MECO-SCAN for histology, cytology, bioliquids

Microscopy platform	1 M-9	1/4/8/50/200 O-9, immersion automatic (optional)
Loading of glasses 25x76 mm	1	1/4/8/50/200
Microscopy method	Passing light; reflected light (optional)	
Resolution	Of the μm of the specimen per pixel of shooting - the aperture of the lens: 0.45-0.25; 0.23-0.75; 0.2-0.85 (option); 0.17-1.0 (option) 0.14-1.25 (option)	
Specimen types	on slides stained histological and cytological, including sections, smears, prints, of liquid cytology; wet under the cover glass	
Slide glass map	at a resolution of 3.4 μm automatically	
select the boundaries of the scan area	<ul style="list-style-type: none"> - interactively on the window of the live video on on the monitor; - automatically on the preset area, including slides of liquid cytology; - interactively on the glass map; - automatically on the glass map by contrasting boundaries of the specimen / by the boundaries of the cover glass 	
Results automatically (RA 2) with fixation in the DB	2D/3D panorama of the scanning area (BC 2D/3D) in the MECOS format: <ul style="list-style-type: none"> - with 2D VS focusing by extrapolation on the scanning area / with autofocusing of each frame; - with layer-by-layer shooting at the depth of focus of 3D VS with automatic / specified number of 3D layers; - with 3D \rightarrow 2D "extended focus" convolution 	
Scanning speed of 2D VS mm^2/sec at resolution:	0.45 up to 10; 0.23 up to 3	0.45 up to 13; 0.23 up to 4
Results 1 opinion (RA 1) by control of RA 2 at the workplace of the control module	VS Browser with navigation on the map, with the movement and scaling of a window of the VS, with an indication of the viewing area in the "fields of view", with fixation of areas of interest on the map for re-viewing, with indication of non-representative areas of the VS, with graphic comments, with the measurement of objects, with the formation of a conclusion on the form; means of forming forms of specified types of analysis	
RA 1 by control RA 2 at the LIS workplace, option	Installation of the VS Browser at the LIS workplace. Formation of RA 2: Export of selected RA 2 from the technique database to the LIS buffer; Interactive analysis of RA 2 of LIS buffer with formation of RA 1; Import of RA 1 from LIS buffer to the technique database	
Accuracy statistics of RA 2 in the formation of RA 1	Collection of statistics on the DB % of non-representative areas of the VS for making a decision on the possibility of using automatic modes of production of RA 2 without quality control RA 2	
Consultation of RA 2 on telemedicine server, option	Ability to export RA 2 with deleted personal data from the database in DZI format to http://mecosvirt.ru cloud site-server with simultaneous placement of up to 5/100 (optional) RA 2 on the secure page of the exporter; Personal account with access password for visitors of the exporter's page; Individual/collective viewing by visitors of RA 2 with the use of built-in RA 2 viewers, with the formation of the conclusion of the RA 1 for the exporter	
Export RA 1 to maintenance server, combine software update, option	Possibility of automatic export of RA 1 with remote personal data from the technique database to the training database on the cloud maintenance server MecosMonitor for training automatic RA 2 analyzers of the technique; Remote updating by the manufacturer of the combine software versions after their upgrades by training	



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