INNOPSYS LifeSciences

Fluorescence Scanners

InnoScan® 910

2-Color microarray scanners for High-Density arrays

High resolution

High quality resolution with 1µm/pixel
Simultaneous 2-color confocal detection
Increased sensitivity : high performance PMTs

Fast speed

Simultaneous reading of 2 detection channels
10.5 minutes for an area of 22 x 22mm² at 1µm/pixel

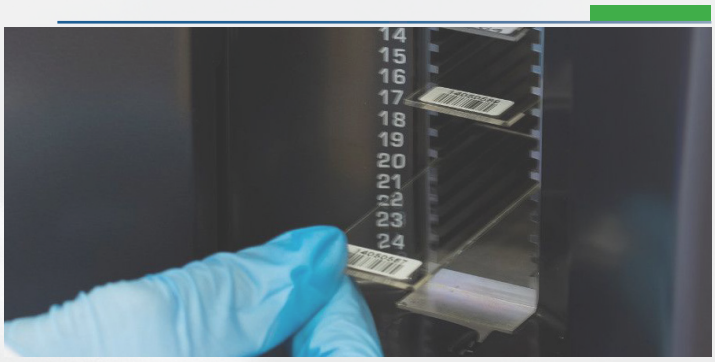
Reliable and traceable results

Barcode reader
Accurate control of acquired images
Scanner supplied with a validation slide which verifies scanner performance

Image acquisition & analysis software

mapix

Autoloader 24 slides



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Technical specifications

InnoScan 910

PIXEL SIZE	1 - 40µm	
LASER EXCITATION WAVELENGTH	532nm	635nm
COMPATIBLE FLUOROPHORES*	Cy3, Alexa Fluor 546, Alexa Fluor 555	Cy5, Alexa Fluor 647, Alexa Fluor 660
LASER POWER	Adjustable (2 laser powers)	
LOADER CAPACITY	1 slide	
DETECTION TYPE	Real-time confocal with 2 analog photomultipliers (PMT)	
PMT GAIN	Adjustable from 0 to 100% (Linear from 1 to 100%)	
OPTICAL FILTER	7 position filter wheel** 1 standard fluorescence and 1 neutral density filter per channel;5 additional filters on request	
FOCUS	Real-time autofocus Manual focus: offset adjustment 300 µm range, 1 µm increment	
SLIDE SIZE	Compatible with all standard microscope slides: 25-26 x 75-76 mm^2 / 1" x 3" ; thickness: 0.9 - 1.2 mm	
SCANNING AREA	Adjustable up to 22 x 74 mm^2	
SCANNING SPEED	From 10 to 35 lines/second (l/s) 3.6 minutes per slide at a resolution of 10 µm/pixel for a simultaneous two-color acquisition	
DYNAMIC RANGE	> 10^4 in normal mode or > 10^6 in dynamic extension mode	
UNIFORMITY	> 95%	
BARCODE READER	Automatic barcode reading	
INTERFACE	Ethernet interface	
IMAGE FORMAT	TIFF (16-bit and 20-bit in dynamic extension mode)	
POWER SUPPLY	~ 100-240 VAC, 1.2 A, 50-60 Hz	
ACQUISITION SOFTWARE	MAPIX (image acquisition and spot quantification software)	
DIMENSIONS (LXDXH)	316 x 549 x 432 mm^3 12.5" x 21.6" x 17.0"	
WEIGHT	29 kg (63.9 lbs)	

InnoScan 910 AL

LOADER CAPACITY	24 slides
DIMENSIONS (LXDXH)	322 x 656 x 439 mm^3 - 12.7" x 25.8" x 17.3"
WEIGHT	34 kg (74.9 lbs)

* Non exhaustive list, please contact us for more information about fluorophore compatibility
Please contact us for any additional information.
** Accordingly to excitation wavelenght the emission filters can be chosen in the following ranges : 554-613 for the 532nm channel and 658-742nm for the 635nm chanel.
Please contact us for any additional information.

Class I laser product for research use only
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Specifications subject to change without notice contact us for the most recent specifications

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