

HELIOS[®]

OUT OF THE DARK INTO THE LIGHT

Setting the gold standard in
IFA DIAGNOSTIC



HELIOS[®] A revolutionary ALL-IN-ONE system for fully automated analysis of IFA-tests

ALL-IN-ONE CONCEPT

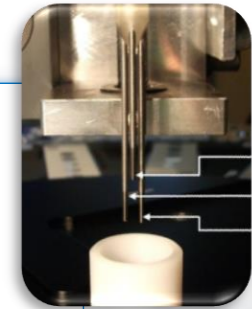
“Walkaway” procedure
sample in - image out
One workflow
One maintenance

Barcode reader for Aeskulides



3 Independent needles in stainless steel

- Dispensing needle
- Aspirating needle
- Needle for pipetting reagents



Built-in fully automated microscope

Multiple objectives available
4x - 10x - 20x - 50x



HTC Humidity Temperature Control

- Incubation up to 37°C
- For Autoimmunity and Infectious Serology tests

User-friendly software

- Positive-negative discrimination
- Pattern recognition + ICAP (Rheumatology – Vasculitis – DNA)
- Estimated Endpoint Titer

Contrast View



Brightness Index



New!

Capacity

- Up to 190 barcoded samples of 1 type of tube
- Up to 20 slides
- 4 different tests with 4 conjugates per run
- 8 different controls



HELIOS SOFTWARE HIGHLIGHTS



IFA Processing & Image Capturing
Processing and reading Aeskulides



IFA Processing
Open system for all types of slides



Image Capturing



Result Confirmation



Configuration



Direct LIS Connection
ASTM connexion configuration

Multi-Rack

- High flexibility – accepts most tubes (diameters tubes ranging from 11-13 mm)
- Capacity: 106 tubes
- Also for small tubes with flat bottom



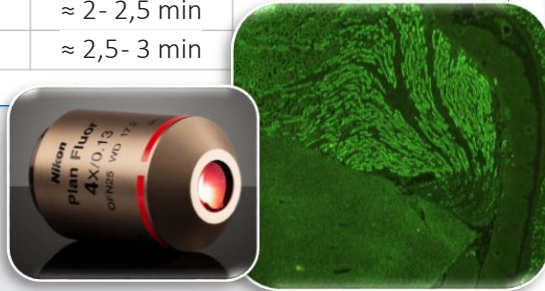
HELIOS® System performance – Software versie 4.1 R1

✓ Optimal image capture process with very fast reading algorithm.

Reading time per well:

Tissue substrates EmA, LKS

Objective	20x	10x	4x
2x2 (4 images)	-	-	45 sec
4x4 (16 images)	-	≈ 1 min	-
6x6 (36 images)	≈ 2- 2,5 min		
7x7 (49 images)	≈ 2,5- 3 min		



Cellular based substrates ANA, ANCA, DNA 25 sec. - 3 images per well

Objective 20x	Reading time/slide
12 wells (ANA/ANCA)	≈ 5 min
10 wells (DNA)	≈ 4 min

✓ Direct LIS connectivity



No middleware required

✓ Remote validation

Working with Helios does not require being on site; validation of results can be done from any PC connected to the network.



AESKUSLIDES® Testkits

AID

ANA Hep2
ANCA E/F
dsDNA
rLKS
mLKS
EMA

IFD

Adenovirus
Borrelia
C.Pneumoniae
Chlamydia
CMV
Coxsackie
EBV-VCA
Echovirus
H.Pylori
HHV6
HSV 1&2
Influenza
M. Pneumoniae
Measles
Mumps
RSV
VZV



Weight 33 kg

Measurements 65cm (W) - 75cm (D) - 57cm (H)