

STANDARDIZE YOUR IFA ROUTINE TESTING WITH FULL TRACEABILITY...

...FROM SAMPLES...

...TO RESULTS

Automatic IFA Processing  
**HELMED**  
ADAPTS TO YOUR LAB NEEDS

IFA LED Microscope  
**MOTIC**  
Image Capturing  
**LED'S GO.CAM**

IFA Data Management  
**HELPS+**

**The AESKU workflow...**

- Load your samples in the **HELMED**® IFA Processor.
- Scan their ID with the built in barcode reader or create a manual sample list.
- Query the LIS for a fast automatic test selection or choose them manually.
- Load the necessary reagents.
- Start the fully automated IFA processing in the **HELMED**®.
- Instead of printing your worklist, open it electronically on the **HELPS+** IFA Data Management.
- Start reading your slides in the **MOTIC** microscope.
- Consult pattern tutor, add comments, attach live pictures to a sample result, etc. while reading your slides.
- Store electronic results in your database, send them back to the LIS or print reports.

**...brings the following benefits**

- Standardize your IFA processing regardless of the operator.
- Electronic Records means no more paper worklists needed with unnecessary data transcription (e.g. patient IDs etc.).
- Full traceability of your IFA testing including patient ID, process data (lots, substrates, automation steps, alarms), user data etc.
- Autoimmunity IFA pattern library to guide new **AESKUSLIDES**® users.
- More suitable system for working in low light environments.
- Results saved electronically or as PDF.

**AESKUSLIDES**® RECOMMENDED IFA REAGENTS

AESKUSLIDES® available kit configurations		Conjugate		Slides				Kits				Recommended Screening Dilution										
Antibody	Substrate	IgG	IgA	5 well	6 well	10 well	12 well	50 tests	60 tests	100 tests	120 tests	1:5	1:10	1:20	1:80							
ANA	HEp-2	•	•				•				•				•							
αDNA	Crithidia luciliae	•	•			•								•								
ANCA	Granulocytes	•	•		•				•					•								
																Ethanol						
AMA / ASMA / APCA	Triple tissue LKS*	•	•		•				•					•								
																Formalin						
																Mouse (Separated)						
EMA	Primate Oesophagus	•	•		•				•					•								
																Rat (Separated)						

**HELPS+** SPECIFICATIONS AND PRODUCT REFERENCES

**MINIMUM SYSTEM REQUIREMENTS**

**Software Requirements**

Operating system: Windows 7  
Version: Valid for all versions from **HELIOS**® Device Software 3.0 R1

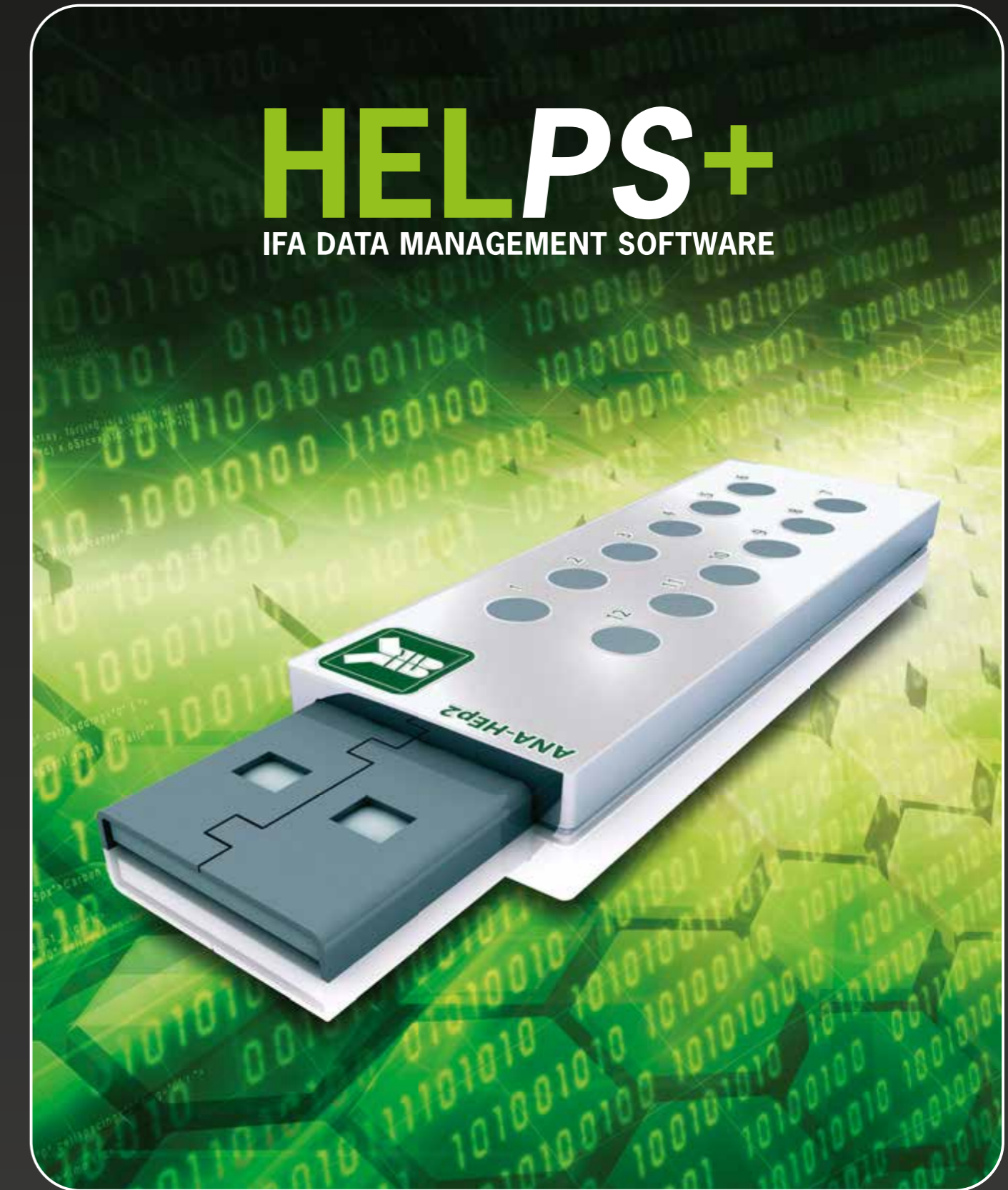
**Hardware Requirements**

Display resolution: min. 1024 x 768 pixels  
Hard disk space: min. 100 MB  
CPU processor: min. 1000 MHz

**Product Ordering References**

HELPS+	Description
HPS-2002	<b>HELPS+</b> Software Version 3.1: USB stick, IFA Management Software
LED-1002	<b>MOTIC</b> Trinocular LED microscope (10x, 20x, 40x and 60x)
LED-3002	<b>LED's GO</b> Camera: USB CMOS Camera, 1/25" Sensor, 2592x1944 resolution ( <b>LED's GO</b> .cam Software included)

VERSION 002: 2015-06-01



THE **EASIEST WAY** TO DIGITIZE  
YOUR **IFA RESULTS**

## HELPS+ IFA DATA MANAGEMENT SOFTWARE

The **HELPS+** is an IFA Data Management System that allows users to electronically record IFA results from their slides, including real images from the microscope. Worklists can be created manually or for a more convenient workflow can be imported from the **HELMED**® IFA Processor. Using a worklist file from the **HELMED**® in the **HELPS+** software will carry on all the information from your samples, slides, lots, expiry dates, automatic processing data, operator etc. If LIS connection is enabled the patient ID will not need to be transcribed continuously as paper worklists can be eliminated from the lab workflow. The images from the samples can be saved with the reports so if a patient comes back after a few months and the slide is bleached, it is still possible to review the images. All this ensures better traceability which is highly recommended by the Good Laboratory Practices.

The software has been designed so that no paper worklists are needed and results can be recorded directly on the computer. Using a PC screen on the microscope room is more user friendly than the conventional paper worklists, which are normally challenging on dark room environments. Easy shortcuts and test specific color differentiation of the slides in the software allow logic navigation throughout your slides and wells, but also allow to easily classify the samples. A follow up window appears (if selected in the options menu) and prompts user for comments, second pattern, IFA, ELISA or other follow up tests.

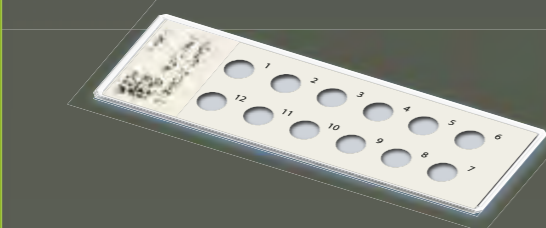
Reports are available by worklists, slides or wells. If the well report is selected, then the picture taken from the microscope camera will also be displayed in the report.

A built-in pattern library with basic description of the pattern is shown on the classification section of the screen. This allows you to quickly compare the live image from the microscope with the image library of the specified pattern. The slide substrate is automatically identified by the software and the pattern list will be filtered accordingly. Image pattern library is available for main patterns including cells (HEp-2, nDNA and ANCA) and rodent and primate tissues. The image library is a good consultation tool for the new **AESKUSLIDES**® users.

An ANA HEp-2 knowledge database is also included. It provides more detailed information than the basic library, including a full Pattern/Syndrome/Disease description of the main patterns.

## WORKLIST

Load from a HELMED IFA Processor or create manually.



## LOGICAL & VISUAL

Easy slide color identification with patient ID, dilution ratio and test name information displayed.



## CLASSIFICATION

First select between Negative, Borderline or Positive. Secondly, define a pattern for positives and add additional pattern if necessary. Finally, select follow up test (ELISA, IFA, RIA, BLOT or others).



## LIVE VIEW

Attach real pictures from your slides and compare side by side with the pattern library.



**ID or Name**  
AESKU\_ANAHEp2\_PC  
**Dilution ratio**  
1/1  
**Test name**  
AESKU\_Helmed\_ANAHEp2\_12w\_v1

**Classification**  
+ positive - negative  
+ Slides: 1  
+ Well: 1

Unclassified  
Negative  
Borderline  
Positive Undefined  
Actin  
Cenp-F pattern (NspII  
Centriole spindle  
**Centromere**

**Interphase:**  
40-60 uniform discrete speckles located throughout the entire nucleus.  
**Metaphase and Telophase:**  
Speckles in the

## PATTERN LIBRARY (common patterns)

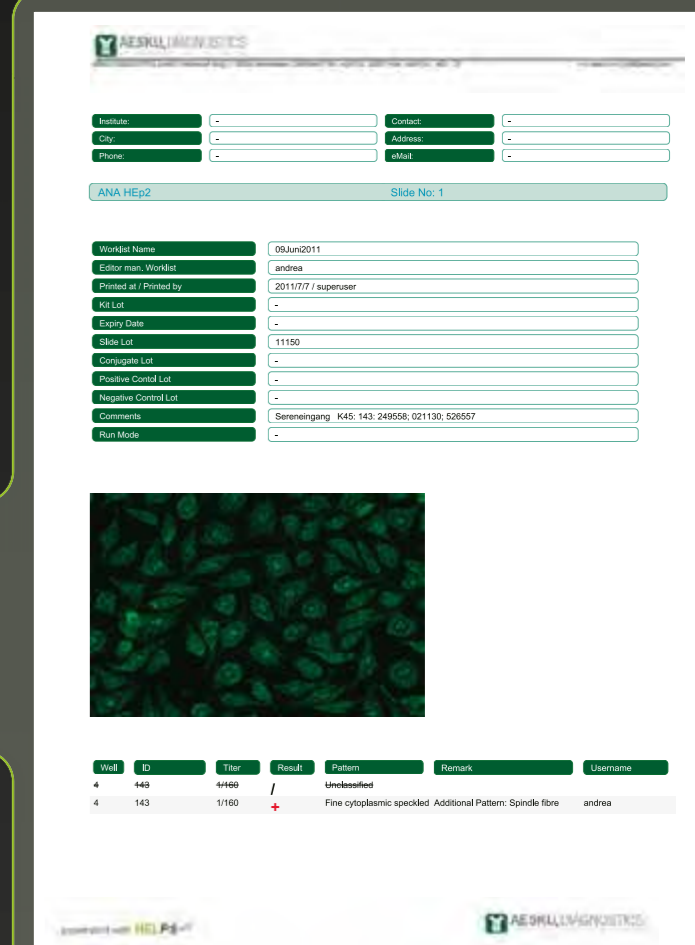
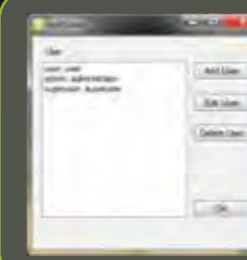
For cells (HEp-2, Crithidia, ANCA), and tissues (rodent, primate). This software will automatically filter your pattern according to your slide substrate for faster consultations.

## PATTERN QUICK DESCRIPTION

Brief description of cell and tissue characteristics (metaphase, interphase, prophase).

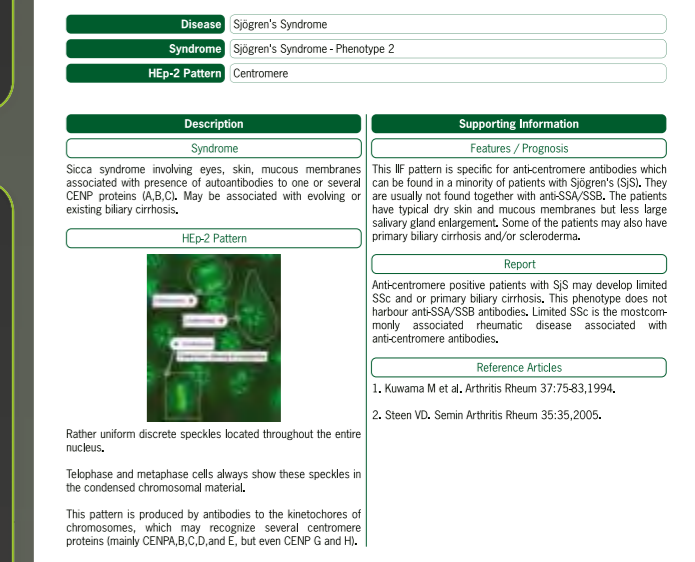
## USER MANAGEMENT

User access levels with password for User, Supervisor and Administrator.



## REPORTS

Select an entire worklist, or one specific slide or well to view or print. The well report includes a real picture from the microscope if an image has been saved. Customize your report header with your own logo.



## ANA HEp-2 KNOWLEDGE DATABASE

Full Pattern/Syndrome/Disease knowledge database available for consultations.