

akiron[®]NEO

Next Generation IFA Analyzer



Product Highlights

- Automated IFA Benchtop Analyzer for Autoimmune Diagnostics
- Imaging and Evaluation of IFA Slides by AI based Software
- ANA, ANCA, CLIFT, EmA, Tissue Sections, CytoBead[®] Technology

YOUR RELIABLE PARTNER IN AUTOIMMUNE DIAGNOSTICS

30 Years of Experience, 150 Partners in more than 100 Countries

akiron® NEO

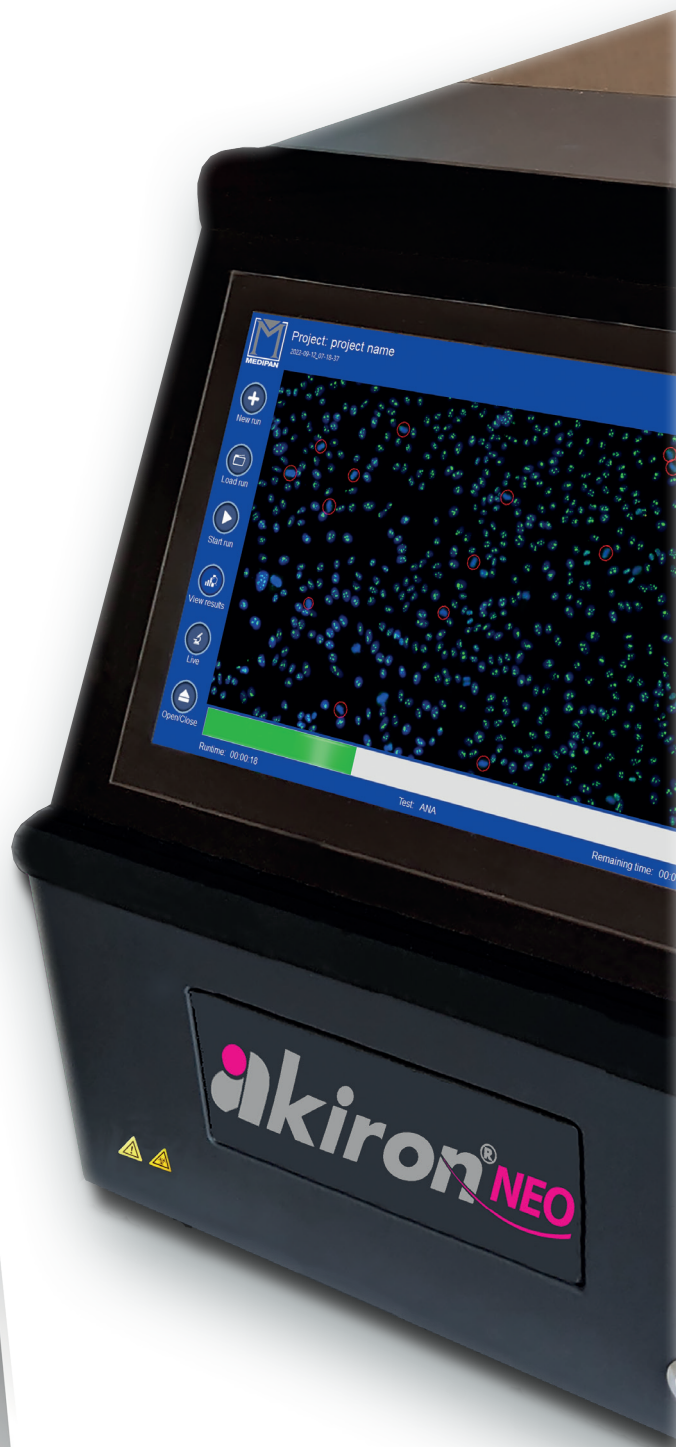
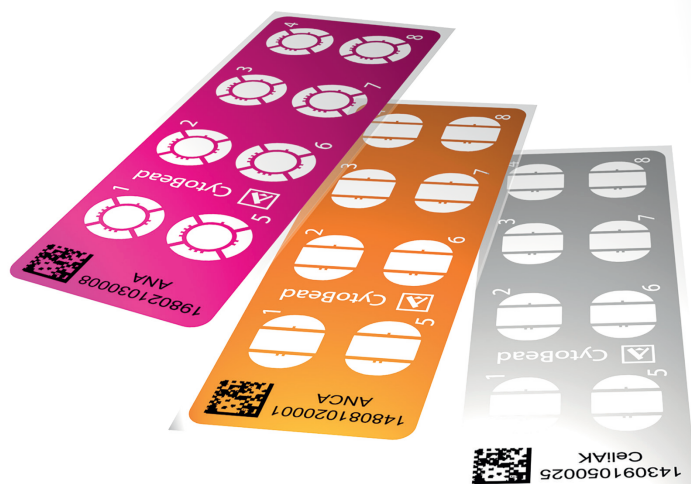
IFA Analyzer for Autoimmune Diagnostics

akiron® NEO is a compact benchtop IFA analyzer for automated digital imaging of processed immunofluorescence slides to support the diagnosis of autoimmune diseases.

The **akiron® NEO** software based on artificial intelligence (AI) allows for an objective ANA / ANCA pattern recognition and intensity evaluation in about 35 seconds.*

Validated **akiron® NEO** assay files support the standardized evaluation of a variety of immunofluorescence assays ranging from determination of antibodies against HEp-2 cells (ANA), granulocytes (ANCA), CLIFT (dsDNA), several tissues as well as against specific antigens using the CytoBead® technology.

The powerful easy-to-use **akiron® NEO** with a small footprint is indispensable for all routine diagnostic services in rheumatology and gastroenterology and not only for laboratories with limited bench space.



akiron® NEO

Specifications



Optics

Construction	Reflecting microscope
Objectives	20x / 0.45
Light sources	3 high power LEDs
Fluorescence filter	Blue (DAPI), green (FITC), red (Cy5)
Camera	2.3 MP, 1/1.2" CMOS

Hardware

Focussing	Adaptive autofocus 3 mm range, moving lens, 1 μ m resolution
Sample stage	Motorized 80 mm x 100 mm

Throughput

Samples	24
Slides	2
Time Period	35 seconds per sample*

Display

Touch screen	10" (16:9)
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Connections

Ethernet / LIS	1 x
USB	2 x

Dimensions

Size (H x W x D)	320 mm x 280 mm x 460 mm
Weight	15 kg

Power

Requirements	12 V DC, 8.5 A
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* ANA / ANCA / CLIFT



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Next Generation IFA Analyzer

- Automated digital benchtop IFA analyzer with small footprint
- ANA / ANCA pattern recognition and intensity evaluation of processed slides by AI-based software
- ANA / ANCA titer determination from only one standard sample dilution
- Imaging of tissue sections (e.g. EmA, ...)
- CLIFT for determination of antibodies against dsDNA
- Quantification of antibody activities in U/mL or IU/mL using the CytoBead® technology
- Results in 35 seconds*
- User-friendly touch screen monitor
- Archiving of images and results for quality assured data management
- Export of all relevant results in pdf- or xls-file format
- LIS Connectivity

* ANA / ANCA / CLIFT

Product Information

akiron® NEO



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Order Information

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