

# **akiron<sup>®</sup>**

**Small ... Smart ... Fast**



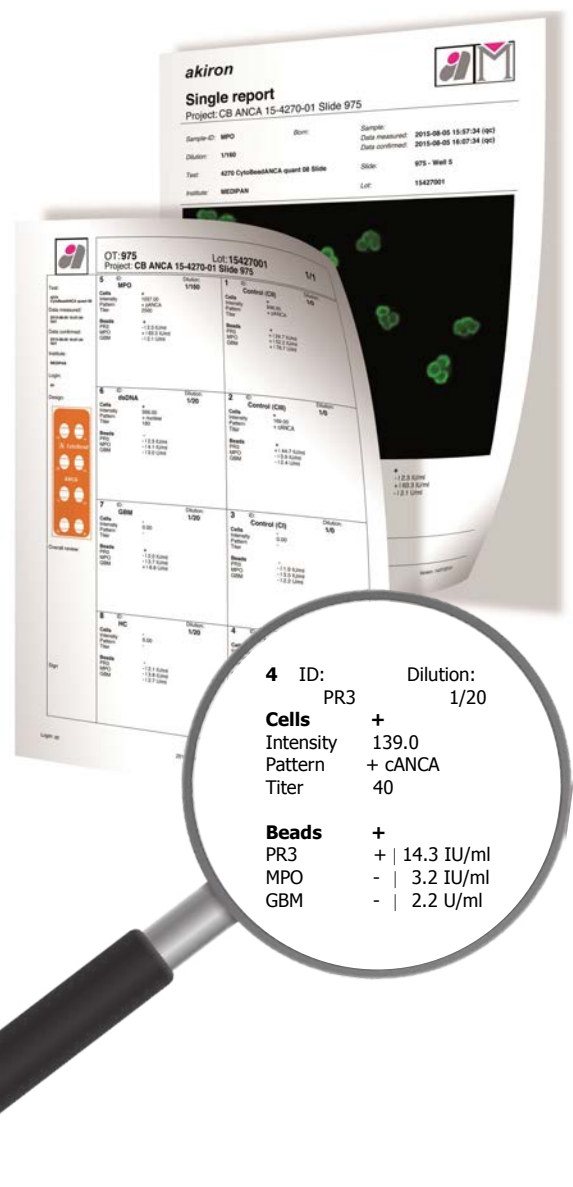
## Small and Fast System for Automation of IFA

The akiron® is a smaller version of the AKLIDES® for the fully automated and standardized imaging and data processing of immunofluorescence assays for the diagnostics of autoimmune diseases. High quality, simple and universal, it proves its worth every day in the laboratory, particularly for those with small lab space.

Applications for the akiron® are in the field of immunology. On the one hand traditional tests for the detection of autoantibodies like HEp-2 cells (ANA), granulocytes (ANCA) and tissues (several antibodies) can be analysed with this system. On the other hand it is characterized through the revolutionary CytoBead® technology for ANA, ANCA, RPGN and celiac disease diagnosis.

## Features

- Fully automated screening and objective pattern and intensity evaluation of cells (ANA and ANCA) in about 30 seconds
- Automated microbead identification and measurement of the ligand fluorescence intensity of the beads (CytoBead® assays)
- Quantification of antibodies in U/ml or IU/ml with lot specific standard curves using the microbeads (4-point calibration; comparable to ELISA)
- Automated titer detection based on the screening dilution (ANA and ANCA)
- Documentation of tissue sections via overview images
- Standardized and reliable results between different instruments due to intensity calibration
- Overall report of all relevant quantitative results in pdf- and xls-format
- Single well report in pdf-format (including cell images)
- Data transfer from pipetting robot AKENOMI® possible using LIMS
- Access to the data from every work place with doctor software
- Digital archiving of fluorescence images and results allows searching of results even after years



## Technical Data

- Motorized fluorescence microscope with 20x objective
- LED-light source with 3 wavelengths (400 nm DAPI, 470 nm FITC, 635 nm APC)
- Motorized x-y-stage for 5 slides or microtiter plate
- High quality grey scale camera (1.3 MP)
- Footprint: 66 x 42 cm



## Tissues

- 4117 AKLIDES® AMA (12x4)
- 4119 AKLIDES® ASMA (12x4)
- 4121 AKLIDES® Triple (12x4)
- 4122 AKLIDES® Triple (12x8)
- 4123 AKLIDES® Anti-GBM (12x4)
- 4125 AKLIDES® ASA (12x4)
- 4129 AKLIDES® ICA (12x4)
- 4133 AKLIDES® CMA (12x4)
- 4131 AKLIDES® EmA (12x4)
- 4132 AKLIDES® EmA (12x8)
- 4135 AKLIDES® SkMA (12x4)
- 4156 AKLIDES® AAA (12x4)

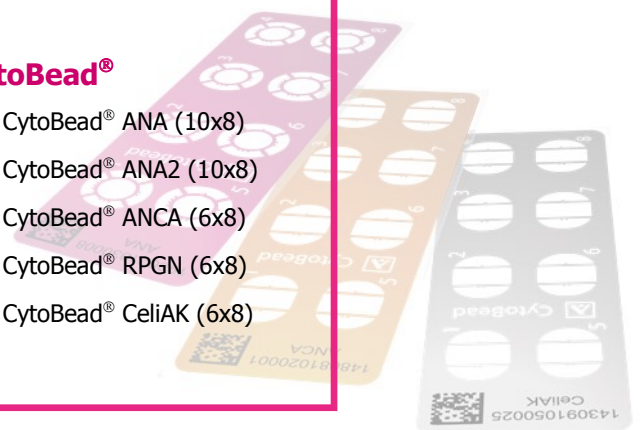
## Cells

- 4065 AKLIDES® ANA Plus (10x12)
- 4063 AKLIDES® ANA Plus (40x12)
- 4060 AKLIDES® cANCA (10x6)
- 4072 AKLIDES® pANCA (10x6)

## CytoBead®

- 4272 AKLIDES® CytoBead® ANA (10x8)
- 4277 AKLIDES® CytoBead® ANA2 (10x8)
- 4270 AKLIDES® CytoBead® ANCA (6x8)
- 4281 AKLIDES® CytoBead® RPGN (6x8)
- 4271 AKLIDES® CytoBead® CeliAK (6x8)

**Orderinformation  
Assays for akiron®**



## akiron® Hardware

4296	<b>akiron®</b>	Instrument
80507	<b>akiron®</b>	Barcode reader
80551	<b>AKLIDES® /akiron®</b>	Intensity calibration slide
4166	<b>AKLIDES® /akiron®</b>	x-y-z calibration slide
3897	<b>AKLIDES® /akiron®</b>	Trim slide

## akiron® Software

4308	<b>akiron®</b>	System software license
4309	<b>akiron®</b>	Database license
4317	<b>akiron®</b>	Doctor external evaluation software license
4310	<b>akiron®</b>	ANA screening and evaluation software license
4311	<b>akiron®</b>	ANCA evaluation software license
4316	<b>akiron®</b>	Titer detection software license
4326	<b>akiron®</b>	Tissue section documentation software license
4312	<b>akiron®</b>	CytoBead® ANCA / RPGN evaluation software license
4313	<b>akiron®</b>	CytoBead® ANA / ANA 2 evaluation software license
4314	<b>akiron®</b>	CytoBead® CeliAK evaluation software license

## akiron® Service

4082	<b>AKLIDES® /akiron®</b>	Installation and training
4100	<b>AKLIDES® /akiron®</b>	Laboratory connection service
4083	<b>AKLIDES® /akiron®</b>	Hardware service contract (1 year)
4062	<b>AKLIDES® /akiron®</b>	Software service contract (1 year)

## akiron® Supplements

4159	<b>AKENOMI®</b>	Pipettor
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