

Welcome to the Age of Multiplexed Diagnostic Testing

- Read out multiplexed assays in your preferred format: at the bottom of 96-well plates, strip arrays, or slides.
- Choose between Sensovation's FLAIR reader for detection of fluorescent signals and the CLAIR reader for colorimetric read out.
- Perform quick and effortless data analysis: read-out time for a 96-well plate is just over 2 minutes, including set-up, reading and data analysis/acquisition.
- Forget about the manual: the on-board computer with the intuitive touch-screen GUI will guide you through the process.
- Automate: CLAIR and FLAIR fit seamlessly with standard pipettors, plate washers, spotter, and other liquid handling instrumentaion. CLAIR and FLAIR are designed to use the SBS microplate format.
- Save time: read dozens, even hundreds of data-points per well instead of just one.
- Get great results: flexibility and ease-of-use don't come at the price of performance; CLAIR adnFLAIR will give you comparable sensitivity as standard microarray scanners.
- Save money: our goal is to make assay read-out fast, easy and affordable. We have priced CLAIR and FLAIR so

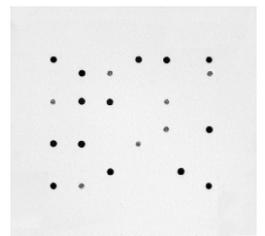


CLAIR and FLAIR - innovative Array Imaging Readers

CLAIR and FLAIR, Sensovation's Array Imaging Readers are plate readers designed for multiformat multiplexing, specifically in 96-well microplates. They capture images of microarrays at the bottom of each well using a high sensitivity CCD camera.

The readers provide fully automated analysis of microarrays in microplates, microplate strips and slides. High resolution digital imaging of microarrays allows for high performance data acquisition. The stand-alone instrument with touchscreen display includes easy-to-use instrument control and image acquisition software including spot evaluation algorithms.

*This is not a 96-well plate!
This is the bottom of one well of a 96-well plate with a 10 X 12 spot pattern. After subtracting standards and the controls necessary for alignment you obtain over 11,000 data points in one 96-well plate! Not enough? More is possible! Too much? Less is easy!*



Diagnostics at Their Best - Multiplexing ELISAs

More data is better - this is often true but it is especially so when it comes to diagnosing patients with multifactorial / autoimmune or infectious diseases. The best way of obtaining more data faster is by multiplexing.

It is a simple equation:

More assays per well = more data per well = less sample = less time = less cost

Choose the CLAIR or FLAIR read-out platform if you want to:

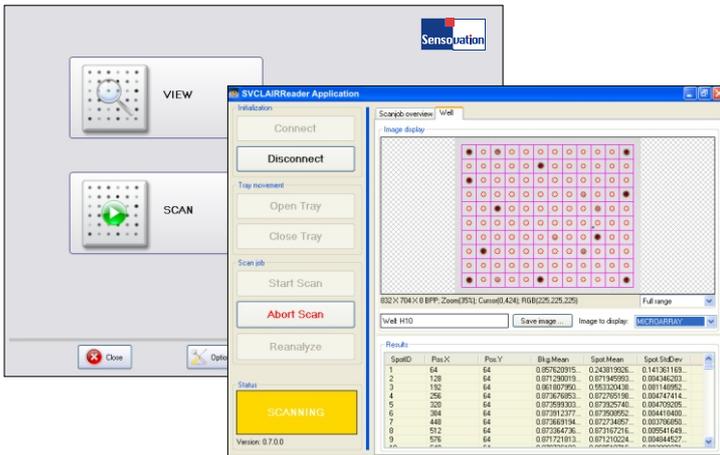
- Analyze a patient sample containing multiple autoantibodies directed to various distinct components of the same macromolecular complex.
- Understand the interaction of multiple autoantibodies.
- Detect various microbial antigens in human serum.
- Analyze different types of molecules, no need to switch platforms CLAIR can handle it all.

Why Multiplex?

- Saves cost in terms of reagents, lab consumables, and - especially - labor.
- Allows for the acquisition of an extensive amount of Information from a small patient specimen.
- Provides the ability to test simultaneously for such diverse analytes as nucleic acids, antigens, antibodies, and drugs.
- Ensures the accuracy of test results through the inclusion of internal quality controls.
- Increases sample throughput.
- Enables the identification of patterns of analyte concentrations.

Why Multiplex with CLAIR or FLAIR?

- CLAIR and FLAIR are equally suited for DNA arrays and protein arrays. With special importance for reversed phase microarrays.
- Ideal for routine applications in diagnostics and biotechnology.
- Planar multiplexing avoids unwelcome interaction between different antigens as possible in solution-based formats/assays.
- Amplification of the signal through an enzymatic reaction makes colorimetric detection sensitive and the labeling choice for many ELISA assays.
- Multiplexed colorimetric microspot assays have been shown to be even more sensitive than standard colorimetric assays.
- As a CCD-camera system CLAIR and FLAIR are fast, sensitive and affordable.
- Although designed for measuring microarrays in 96-well plates, CLAIR and FLAIR are true multifunction reader measuring slides, biochips or any other sample holders within the dimension of a 96-well plate.



CLAIR's and FLAIR's integrated Instrument control- and image acquisition software is designed with routine operation in mind. The software allows quick implementation of array definitions, and easy routine analysis in a semi-automated way. The software is optimized for the integrated touchscreen the array-measurement and -analysis is simple and right at your fingertips. Each microarray in each well is analyzed directly during data acquisition. The intensity of each spot as well as the background intensity is calculated.

CLAIR Technical Data:

Size of Microarray in Well:	up to 5 mm diameter
Microarray Spot Size:	20µm - 500µm
Pixel Resolution:	fine (5.1 µm/Pixel), medium (10 µm/Pixel), coarse (15 µm/Pixel)
Camera Pixel Resolution:	3.8 Mpixel
Image Formats:	BMP, TIF
Digital Resolution:	12 Bit, 8 Bit
Time to read 96 wells:	2.5 min
Wavelength range:	350 nm - 1100 nm
Dimensions (cm):	L: 43 W: 34 H:19

Partnering Opportunities

At Sensovation our specialty is developing and building optical detection instrumentation and associated software. We do these things well, that major diagnostic companies have awarded us with "A+ quality supplier status" for more than 5 years in a row. We are used to collaborating with diagnostic companies! Surface chemistry, spotting, assay development, discovery these parts of the value chain we leave to companies with deep expertise in these fields. And we want to work with these companies! Together we can offer a complete system, consisting of consumables, biological assays, readers and software, and shift the paradigm from yesterday's slow one assay/parameter at a time approach to the tomorrow's fast and efficient multiplexing.

CLAIR and FLAIR are generic imaging reader, independent of the application. The customer is informed that the use of this product in combination with third party intellectual property may have implications according to patent law. The customer is informed of the following examples, and advised to procure appropriate licensing when required: EP 1 467 815 B1 when used together with a reaction vessel according to the claims 1 to 12, EP 1 179 180 B1 and US 7,321,829 B2, when used together with the claimed diagnostic/quantification method involving metallic precipitation.