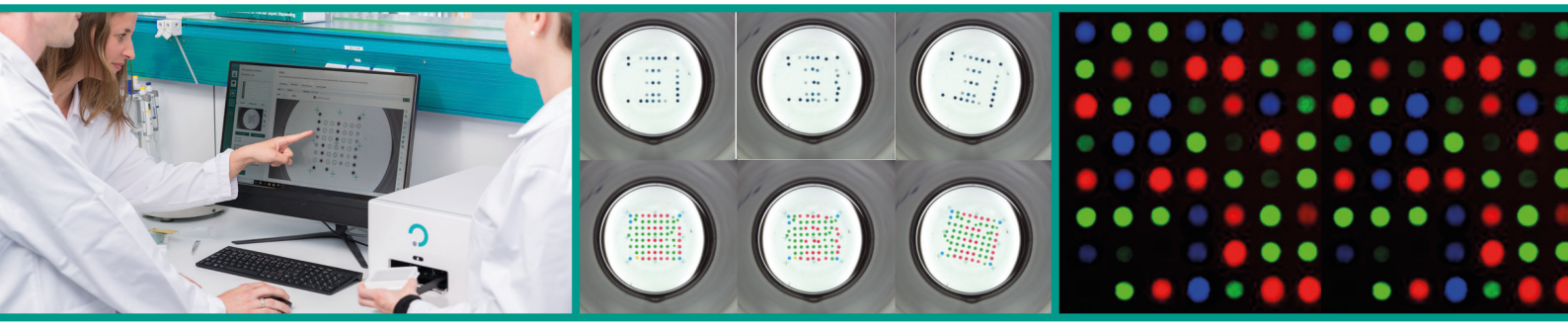
scienion
ENABLING LIFE SCIENCE



HIGH QUALITY IMAGING AND MULTIPLEX SAMPLE ANALYSIS

The sciREADER family combines **superior imaging** technologies and **easy-to-use software** and sets new standards in the **analysis and evaluation of single well** assays and multiplexed microarrays.

- **Colorimetric** and **Fluorescent** Microarrays and Assays
- Optimized for 96 Well Plate Format
- Seamless **Integration of GAL files**
- Automated Spot Finding, Image Analysis and Evaluation of Arrays
- Allows Test **Specific Grouping** of Spots, Threshold Settings and Calibration
- Customization of Array Layout, Analysis and Reporting
- Designed for Clinical Diagnostics and Life Science Research
- Small Footprint, **Integrable** with Robotic Platforms and LIMS / HIS
- OEM Units with **Software and Hardware Customization**

sciREADER CL2

The sciREADER CL2 allows for **high quality digital imaging** of **colorimetric** assays as a **cost efficient** alternative to fluorescence detection.

Specific Features & Benefits

- **Top and Bottom Lighting** for Opaque and Transparent Plates and Other Supports
- Enables Multicolour Assay Staining Technologies
- **Fast** Reading (~ 2 min for Full 96 Well Plate)
- Automated Reader Calibration

Technical Information & Specifications

Detection	High Resolution CMOS
Resolution	5 Mpx (2592x1944px)
Light Source	White LED
Adjustable Focal Plane	0 - 20 mm
Max. Scan Speed	2 min/plate
Sample Resolution	4.9 µm/pixel
Image File Formats	24bit PNG, JPEG, 24bit TIFF Colors 8bit/12bit TIFF Greyscale
Export File Formats	XLSX, DOCX, PDF, XML
Operation Temperature	+5 to +40°C
Dimensions	250 x 230 x 400 mm (W, H, L)
Weight	15 kg
Power Requirements	230 V, 30 W
PC Operating System	Windows 10

sciREADER FL2

The sciREADER FL2 allows for **high quality digital imaging** of **fluorescence** assays with up to three colors.

Specific Features & Benefits

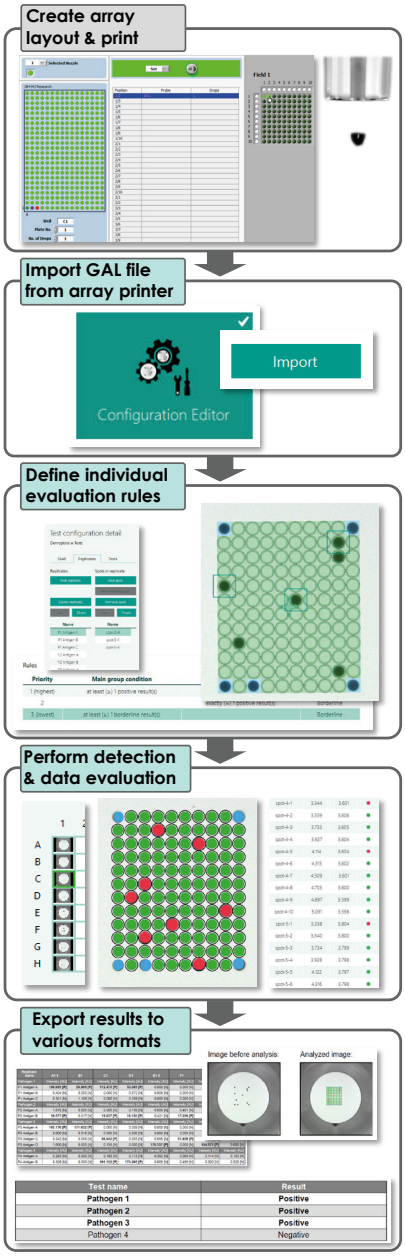
- Up to **3 Fluorescent Channels** for all Commonly Used Red, Green and Blue Fluorescent Dyes (Default Cy5, Cy3, and FITC)
- **Customizable Filter** Sets for Specific Fluorophores
- **Bottom White Lighting** for Bar / QR Code Reading

Technical Information & Specifications

• Detection	High Resolution CMOS
• Resolution	2,3 Mpx (1920x1200px)
• Light Source	LEDs with Specific Wavelengths
• Adjustable Focal Plane	0 - 20 mm
• Max. Scan Speed	2 min/plate
• Sample Resolution	~ 9,7 µm/pixel
• Image File Formats	24bit PNG, JPEG, 8bit/12bit/24bit TIFF Greyscale
• Export File Formats	XLSX, DOCX, PDF, XML
• Operation Temperature	+5 to +40°C
• Dimensions	250 x 350 x 400 mm (W, H, L)
• Weight	19 kg
• Power Requirements	230 V, 30 W
• PC Operating System	Windows 10

From Array Printing to Diagnostic Result

- Seamless Integration of GAL files
- Reading of All or Selected Wells and/or Strips
- Automated Grid Fitting and Well/Spot Finding
- Integrated Image Acquisition, Analysis and Reporting
- Grouping of Spots and Definition of Custom Test Rules
- Customization of Array Layout, Analysis and Reporting
- Different User Logins (Administrative and End User Levels)
- Export to Various File Formats and Databases
- Barcode and inArrayDotCode Reading for Specific Assay Identification

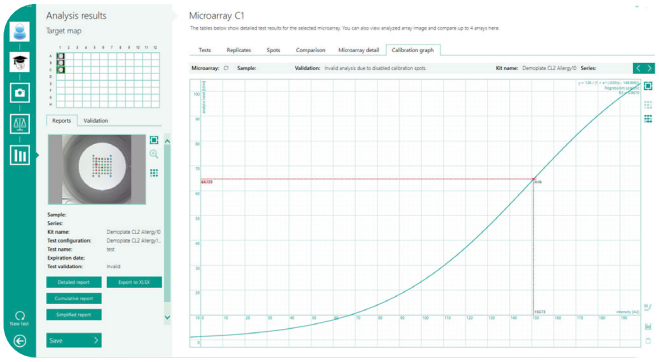


Fully Customized OEM Units

Hardware Customization includes

- Own **Branding**
- Customized Support **Holder** for Your Own Format

Software Customization on Demand



Applications

- DNA and Protein Multiparameter Analysis
- Standard Single Parameter Assays
- Genotyping and Pathogen Identification
- Clinical diagnostics (e.g. Autoimmune Diseases, Infectious Diseases, Cancer, Immunology)
- Food (e.g. Allergens) and Plant Analytics
- Drug Development

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