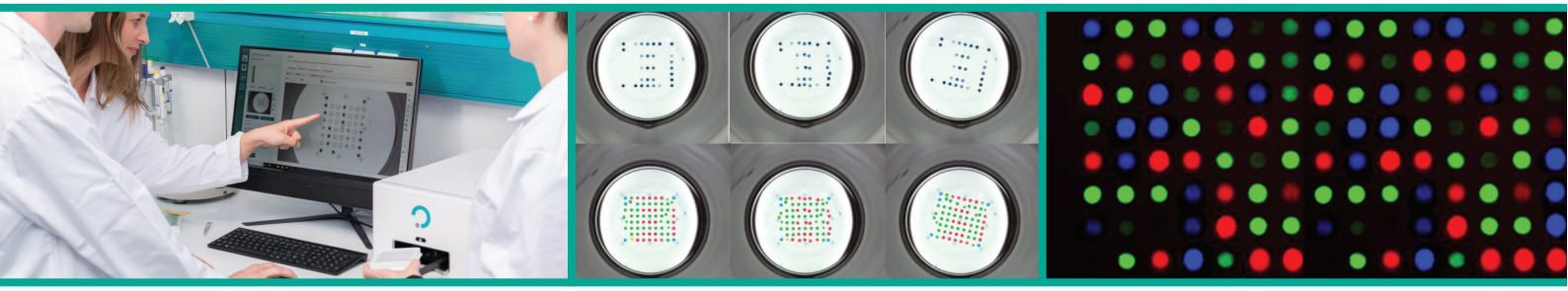
SCIENION
A BICO COMPANY



# 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 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 Auto Diagnostics

## Technical Information & Specifications

| | |
|---|---|
| Detection | High Resolution CMOS |
| Resolution | 8 Mpx (3840x2160px) |
| Light Source | White LED |
| Adjustable Focal Plane | 0 - 20 mm |
| Max. Scan Speed | 2 min/plate |
| Sample Resolution | 4.93 µm/pixel |
| Image File Formats | 24bit PNG, JPEG, 24bit TIFF Colors |
| Export File Formats | XLSX, DOCX, PDF |
| Operation Temperature | +5 to +40°C |
| Dimensions | 250 x 230 x 400 mm (W, H, L) |
| Weight | 15 kg |
| Power Requirements | 100-240 VAC, 50-60 Hz, 50 VA |
| PC Operating System | Windows 10/11 |

# sciREADER FL2

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

## Specific Features & Benefits

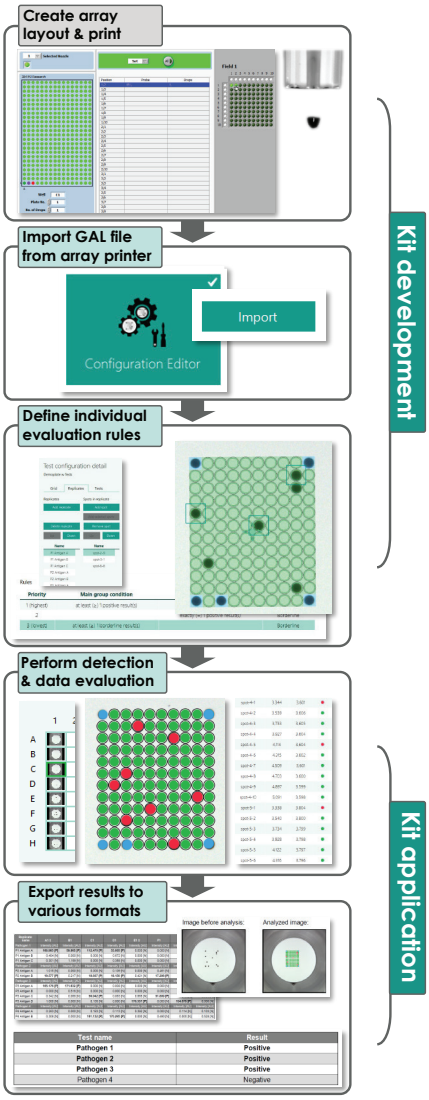
- Up to **3 Fluorescent Channels** for all Commonly Used Red, Green and Blue Fluorescent Dyes (Default Cy5, Cy3, and FITC)
- **Customizable Filter** Sets for Specific Fluorophores

## 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, |
| Export File Formats | XLSX, DOCX, PDF |
| Operation Temperature | +5 to +40°C |
| Dimensions | 250 x 350 x 400 mm (W, H, L) |
| Weight | 19 kg |
| Power Requirements | 100-240 VAC, 50-60 Hz, 50 VA |
| PC Operating System | Windows 10/11 |

# 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

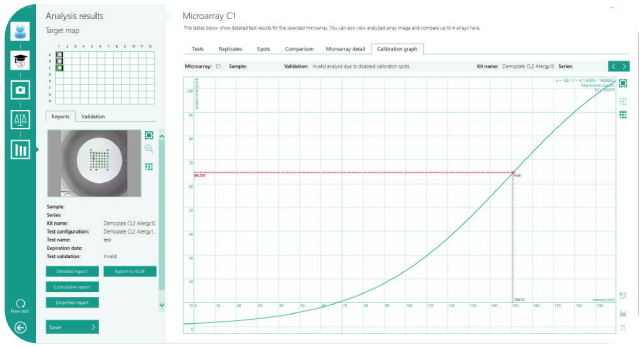



# Fully Customized OEM Units

**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
- Autoimmune Diseases, Infectious Diseases, Cancer, Immunology
- Food (e.g. Allergens) and Plant Analytics
- Drug Development

## Contact Us

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