



FLUOREYE® ERBA + ORO

FLUOREYE now supports DNA/RNA quantification, ELISA, ROS, LDH, apoptosis, and more in a compact footprint.



A whole new world of test kits

Additional FLUOREYE modules enable ROS, ELISA, LDH, apoptosis, and cell viability assays with fully automated on-deck measurements.



Keep precious samples safe

No manual interaction anymore, less risk, no no additional light exposure: The channel-operated FLUOREYE integrates fully in your workflow and frees the operator from having to perform tasks on the instrument while delivering fully trackable results.



Fits everywhere

With a one-position SLAS/ANSI footprint and flexible mounting, FLUOREYE integrates into automated platforms with minimal changes.

Your Lab Challenge



“Should we integrate the reader, or have it stand alone?”

A question often asked when it comes to automation of fluorescence assays. Integration means additional cost, bulky instrument extensions, complex transport steps, new software interfaces and no access to the reader for quick measurements. Having it externally creates the need for a human transport instance, which adds risk, inconsistency, uncontrolled light exposure and a break in the traceability. FLUOREYE solves these issues.

- **Proven concept**
No hardware experiments
- **Reliable technology**
Results you can trust
- **Validated applications**
Make fact-based decisions
- **Small footprint**
Easy to retrofit in existing systems
- **Quick installation**
Very short system downtime
- **High battery capacity**
Analyze thousands of samples without recharging
- **Fully automated**
Free up time for operators

Your protocol may be validated. Your workflow may not be.

Even validated assays can be affected by manual fluorescence measurements. Keep measurement within your automated workflow to improve consistency, traceability, and walk-away time.

Manual measurements can become a bottleneck in automated workflows. An operator must be available to perform every measurement, while ensuring consistent timing between pipetting, measurement, and downstream processing for every sample or plate. In addition, tracking data from all instruments and plate readers must be collected manually to maintain complete documentation. Rather than focusing on higher-value tasks, operators spend their time moving plates between instruments.

Manual interaction not only increases the risk of losing valuable samples but also introduce uncertainty into your results. When a result is unexpected, is it due to inconsistent timing, sample exposure to light, degraded reagents, or a programming error? Automated workflows help eliminate these variables, improving both reproducibility and confidence in your data.

Fully automated fluorescence reading significantly reduces these challenges. Conventional fluorescence readers, however, are often both large and heavy, requiring additional housing, interfaces, and safety equipment for integration. The FLUOREYE Family is designed to stay on-deck, near your sample, operated by a pipetting channel. With a compact footprint of just one SLAS/ANSI position, it integrates seamlessly into virtually any workflow.

Fluorescence reading remains vulnerable if human action is involved. Unnecessary variability can impact confidence and trust.



Especially if the sample analysis is not the very last step in your assay, an external read-out would affect the whole chain of actions. FLUOREYE performs the measurement entirely inside the instrument, allowing for fully walk-away assays. Even better: As the measurement is simple and automated, it is possible to make multiple measurements during the process and e.g. only continue with samples that hit a certain signal level. This saves time, reagents and consumables.

The additional wavelengths available with the new FLUOREYE variants expand the range of supported applications. In addition to DNA/RNA quantification and normalization, ERBA and ORO support assays for cytotoxicity, ROS, LDH release, in situ cell death, ELISA, apoptosis, cell viability, enzyme activity, and nucleic acid quantification.

The reproducibility of fully automated assays increases the consistency of your results and allows for data-driven decisions. No more repetitions of experiments because you don't trust the data points, and the best: your lab personnel is available for more meaningful work than being the human plate transporter.

FLUOREYE Mobile Device Specification

Please find an overview of available wavelengths of the FLUOREYE Mobile Devices below. Keep in mind that all Mobile Devices are hosted and charged by the FLUOREYE Base Station.



FLUOREYE ROJA wavelengths		
System	Excitation	Detection
1	470nm	520nm
2	625nm	680nm

FLUOREYE ERBA wavelengths		
System	Excitation	Detection
1	325nm	420nm
2	520nm	570nm

FLUOREYE ORO wavelengths		
System	Excitation	Detection
1	470nm	520nm
2	560nm	625nm

Are you looking for less hands-on time, more confidence in your results and complete traceability? Then join the FLUOREYE family, upgrade your workflow and let your lab experts do sophisticated work!



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