CyBio® Overture
Application and Instrumentation in Perfect Harmony

- Simulate your well contents
- Calculate your reagent quantities
- Track your workflow with color ID

CyBio
PRODUCT LINE
Handling different concentrations and reaction mixtures was never simpler. CyBio® Overture takes over this error prone and time consuming task. Simply define your stock and target concentration and CyBio® Overture calculates the required transfer volumes for each component of your reaction mix.

CyBio® Overture allows for an instant well content analysis: You simply need to click on the well to simulate the contents as they would be after the completion of the workflow. The outcome of selected settings is visualized intuitively. Detailed information will be provided by tooltips.

Simply configure your instrument by using the drag & drop function. You can arrange microplates, tubes, tips, accessories and pipetting tools and draw from an extendable labware library. Another valuable feature of CyBio® Overture is the 3D visualization of your deck configuration.

With our Smart Color Identification you can select and identify labware and working ranges easily. Different sample groups are instantly recognised and trackable through the workflow. You miss your favorite color? Just define one!

All instrument activities are depicted in columns representing the respective working range and pipetting sequence. The pipetting sequence can be easily defined and rearranged by drag & drop. Additionally, CyBio® Overture offers extendable liquid classes for proven liquid handling settings.

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Application

If sample preparation, dilution series, clean-up, extraction or complex assays and kits, short time to market is demanded by the times. Not less important is better reproducibility and longer walk away times. Here automated applications can provide significant advantages in comparison to manual processes. Translating manual pipetting steps into the language of the liquid handling instrument has never been so simple as with CyBio® Overture.

Cell based and biochemical assays in the drug discovery environment always present many challenges. Sample preparation plays a crucial role in almost every laboratory.

Synthesis has become an important tool in fields like DNA technology, gene expression or molecular engineering.

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Instrumentation

With CyBio® Overture changing from manual pipetting to automated workflows is no longer a challenge. In addition to defining the liquid handling and workflows this software manages a range of other factors critical to a successful process, such as labware, instrument settings, stock and target concentrations, dead volumes and well contents. CyBio® Overture ensures you will always have an “overview” of your entire process and associated parameters.

Optimised instrument settings are crucial for successful and qualitative liquid handling.

Managing composition and monitoring of reagent use is useful for all kinds of liquid handling.

The appropriate dimensions and characteristics of labware must be taken into account to ensure reproducible liquid handling results.