

## PlateButler software with Client server principle

### Applications:

We have set-up a wide range of applications.

### Genomics:

- High Throughput
- Sequencing
- Gene expression
- DNA Purification
- RNA Isolation
- SNP Genotyping
- Gene Cloning

### Drug Discovery:

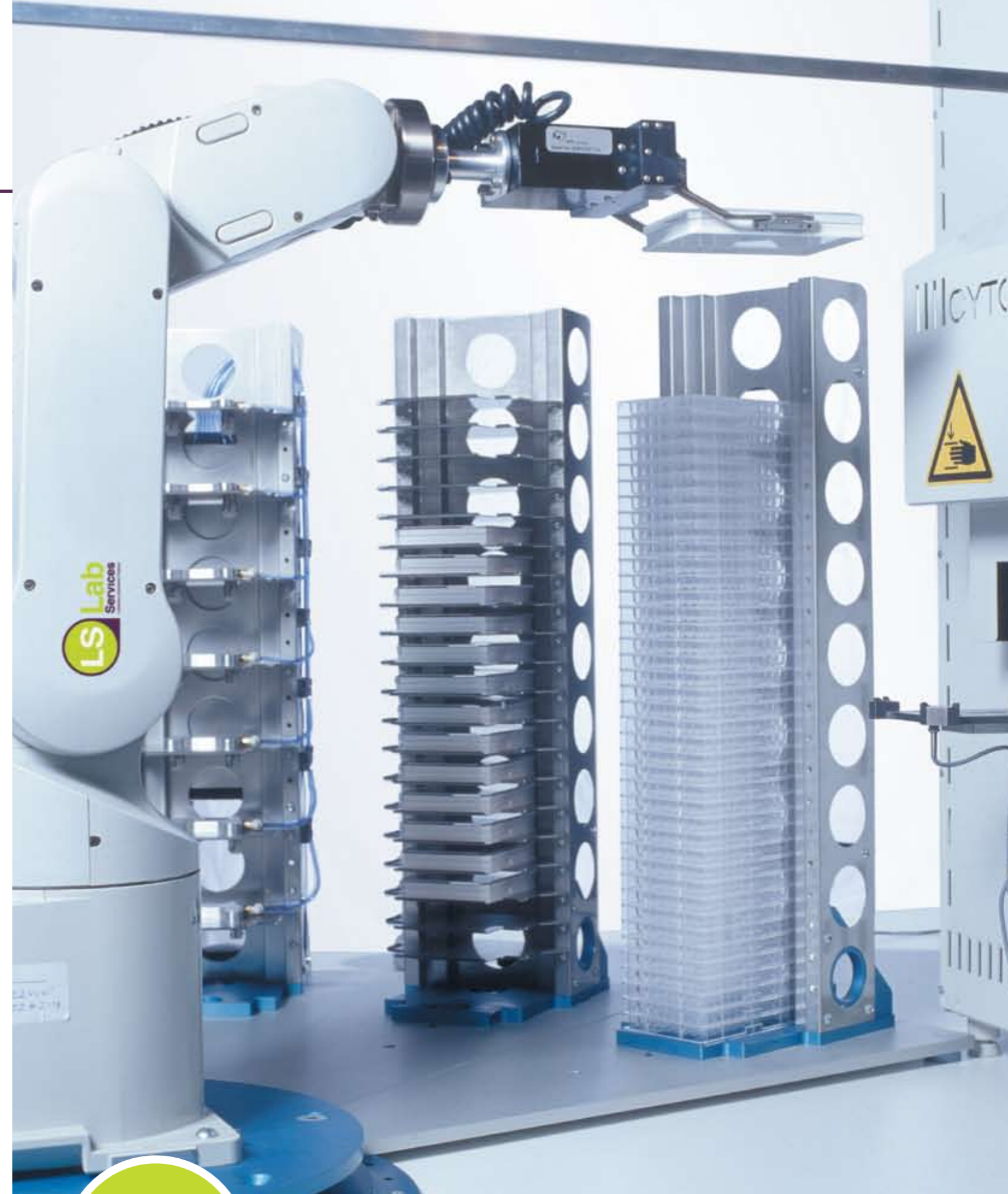
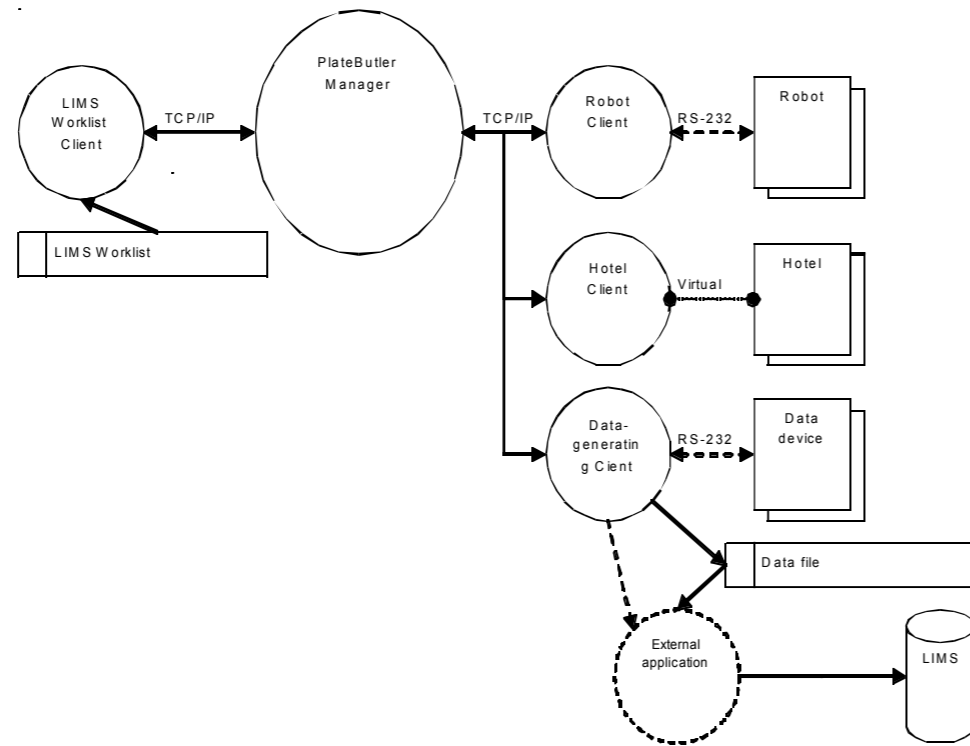
- ADME/TOX
- Binding Assays
- Sample prep
- Cell Based Assay
- Plate Replication

### Proteomics:

- Protein Purification
- Protein Expression

### Diagnostics:

- Immuno Assays
- Micro Arrays
- Sample prep
- Clinical studies
- Tox and Drug Screening



**PlateButler software**  
the solution to automate  
your **Microplate assay**

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## A commitment to innovation

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### A commitment to innovation

As specialists in liquid handling, our work is right at the cutting edge. At Lab Services, we've been presenting the latest advances for more than ten years. Our focus is on the handling and automation of microtiter plates.

### PlateButler™: the result of 20 years of experience

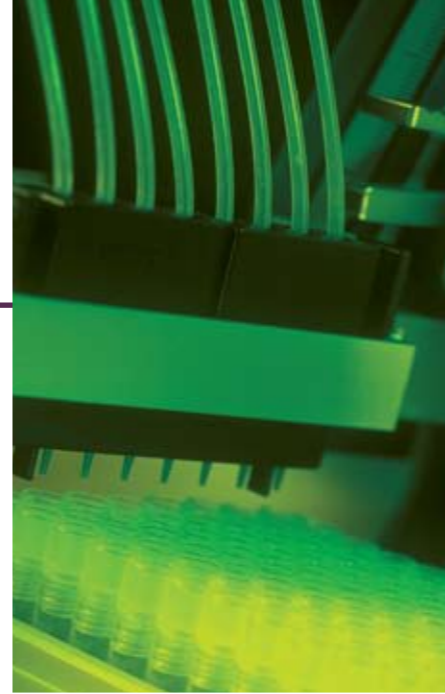
PlateButler™ is one of the star products in our successful range. It was developed in house specifically to meet the increasing demand for compact, automated microtiter plate systems. PlateButler™ uses extremely flexible software, and can be set to match your requirements, turning your lab into a 24/7 workstation. Recent PlateButler™ applications include cell cultures, cell-based assays, DNA amplification and purification, high-throughput toxicity testing, UHTS and ELISA etc.

### References:

We are a preferred supplier to the big names in life sciences, molecular biology and biotech, as well as leading universities and knowledge institutes.

### Robots:

PlateButler® software clients make it possible to select from a wide range of pipetting robots like Tecan, Stratec and Hamilton further handling robots like Mitsubishi, Stäubli, Thermo CRS F3 or Catalyst 5. Depending on customer requirement and/or budgets, we can also use laboratory robots such as the Caliper Twister II and Hamilton Swap. You can set-up your assay around the most effective robot.



## PlateButler software

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### PlateButler software

In order to fulfill today's unique laboratory automation requirements, Lab Services BV developed an off-the shelf robotic system; the PlateButler®. The PlateButler® software has an object oriented design together with an modular architecture.

This modular architecture makes the system very easily expandable. Introducing or removing instruments from the system is very simple. Combined with the ability to share resources and create groups of resources, this helps solving bottlenecks and thus improves throughput.

By using a client-server principle a multi instrument system can be setup in a distributed environment. In this situation the main application manages the server and the instruments are controlled by its clients. Furthermore the system can also be setup in local environments.

The user friendly, easy to use PlateButler® Software is fully database orientated. The system-positions can be taught very easily by means of a 'Teaching Wizard'. In addition the system is also partial 'self learning', meaning that only a reduced number of positions have to be taught.

Tests are user-definable by using a script language and the software has a broad range of scheduling facilities. The real-time dynamic scheduler takes track of all actions and automatically updates system-process timings.

Scripts can be generated automatically by using the Assay explorer and new tests can be started while others are already running. When new tests are started, the real-time dynamic scheduler reschedules. Furthermore the started assays run parallel and the script language is based upon a Pascal script. By using the dual-assay viewer, tests can be viewed in the graphical Assay explorer or as a text-based script.

In addition runs can also be performed batch wise and detailed Log-reports, for backtracking the micro plates, are generated for each run.

Finally an optional SMS or email message service for accurate and efficient error reporting can be installed into the software.

