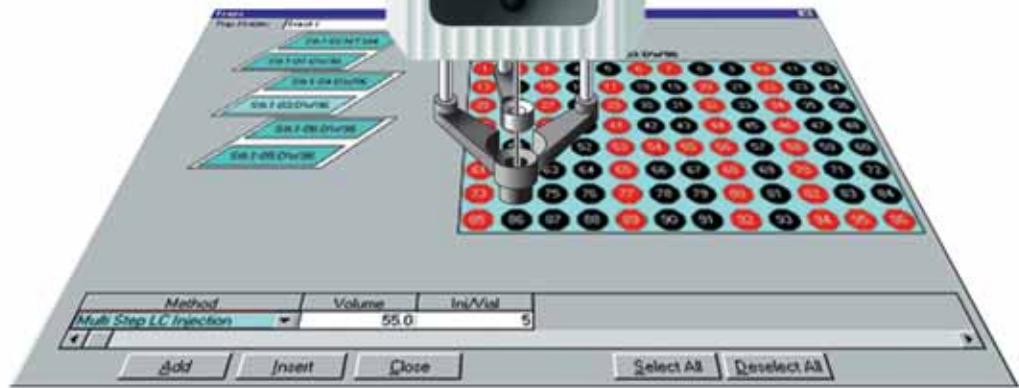




# Cycle Composer

Remote Control  
for the PAL System



## PAL Remote Control

- Heat
- Cool
- Shake
- Mix
- Dilute
- Inject
- Extract



PC control for LC and GC PAL's



Third party drivers for major LC-MS and GC-MS system



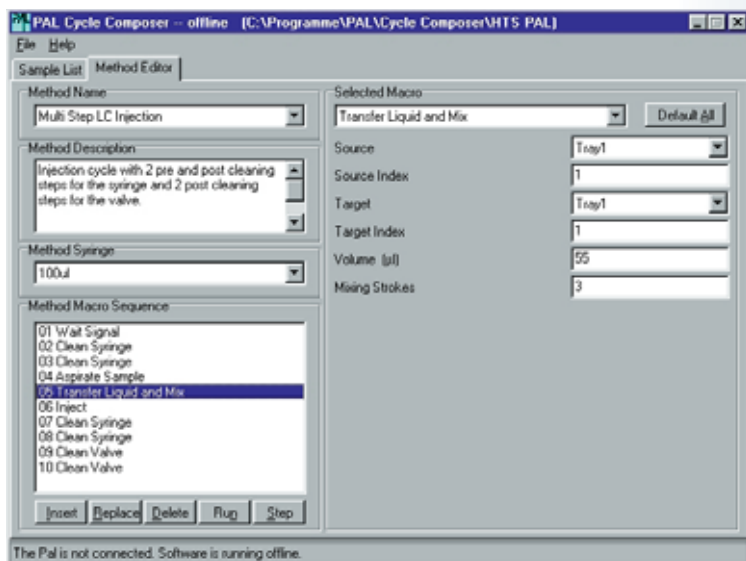
Dual-system injection for high throughput



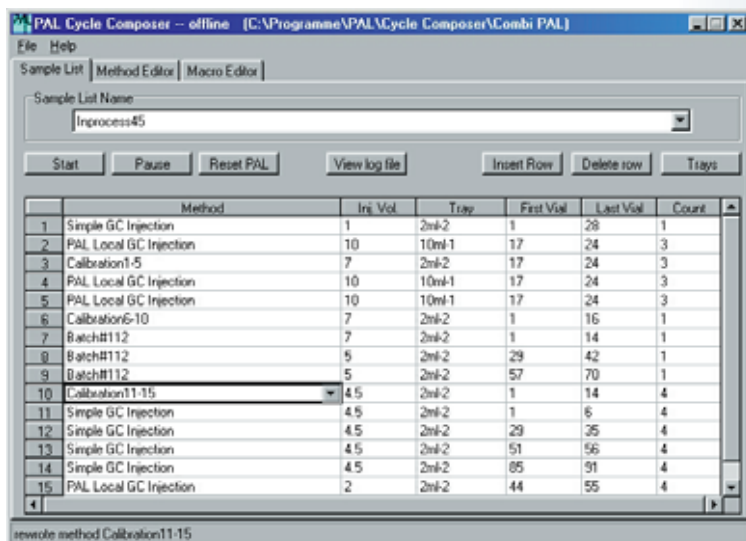
Column switching and trace enrichment procedures



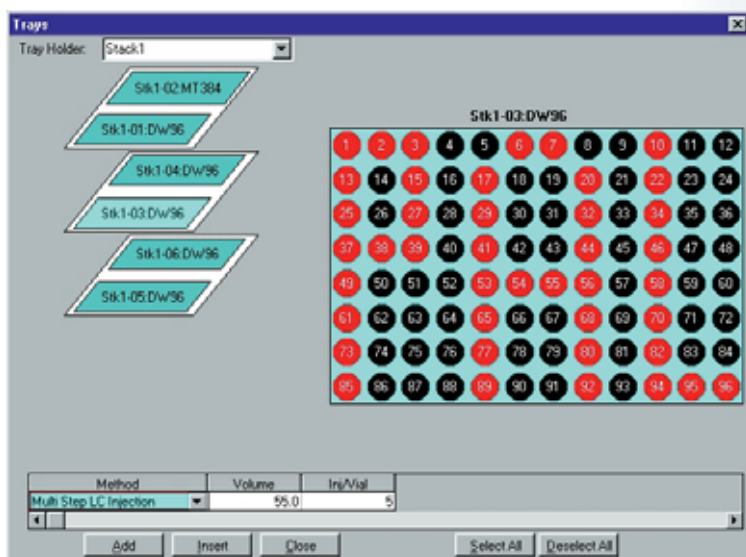
Online sample clean-up and sample derivatisation



Method Editor: Setup and edit customized cycles



Sample List: Setup, edit and run injection sequences



Trays: Graphical sample list generator

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### Intelligent Automation

The Windows 2000/XP software Cycle Composer provides remote control for the PAL family of chromatography "Front End" liquid handling systems. The Cycle Composer software allows the operator to easily setup, edit and run PAL System methods for even very complex "Prep and Load" applications.

### Easy to use

The Cycle Composer affords complete control over sequence and location of liquid handling steps, thereby increasing throughput and productivity of the PAL System. The "Point and click" operation quickly directs the user through programming steps that configure instrument setup, methods and sample lists. For routine daily use, no special programming skills are needed. The Cycle Composer contains a library of common liquid handling procedures including sample transfer, reagent/standard addition, mixing and dilution steps.

### Customize your PAL instrument

As with the PAL hardware concept the Cycle Composer is already prepared for individual application requirements. Additional flexibility can be assigned to the procedures by using the powerful Cycle Composer macro language. To find out how the Cycle Composer software can expand the application range of your PAL System, please contact your CTC Analytics distributor.

### Specifications Cycle Composer

#### PC requirements

- Pentium processor >90MHz
- 32 MB RAM
- 1 serial interface RS232C
- 1 CD-ROM drive
- installed Windows 2000/XP
- 2 MB free Hard Disc space

#### Compatible PAL Instruments

- HTS PAL
- HTC PAL
- LC PAL
- Combi PAL
- GC PAL
- (Firmware 2.0 or higher installed)

#### Third Party Instrument Drivers

The following control drivers are available either through CTC Analytics or your instrument vendor.

- Agilent ChemStation
- Applied Biosystems Analyst
- Bruker Daltonics HyStar
- DataApex Clarity
- Dionex Chromeleon
- Justice Software Chromperfect
- Leco ChromaTOF
- Shimadzu GCMSSolution
- ThermoFinnigan Xcalibur
- Varian Star
- Varian Galaxie
- Waters Masslynx

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Specifications are subject to change without notice

...**CTC ANALYTICS**

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