

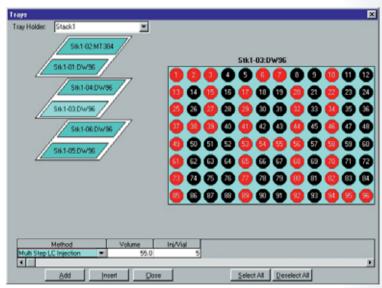
PAL Cycle Composer offline (C:\Program	me\PAL\Cycle Composer\HTS PAL)	
Ele Help		
Sample List Method Editor		
Method Name	Selected Macro	
Multi Step LC Injection	Transfer Liquid and Mix	▼ Default ≜l
Method Description	Source	Togy1 💌
Injection cycle with 2 pre and post cleaning steps for the syringe and 2 post cleaning	Source Index	1
steps for the valve.	Target	Tray1
<u> </u>	Target Index	1
Method Syringe	Volume (ul)	55
100.4	Mixing Stokes	3
Method Macro Sequence	-	
01 Wat Signal		
02 Clean Springe 03 Clean Springe		
04 Aspirate Sample		
05 Transfer Liquid and Mix 06 Inject		
07 Clean Syringe		
08 Clean Syringe		
09 Clean Valve 10 Clean Valve		
To Clean varve		
Inzeit Beplace Delete Rug Step		
The Pal is not connected. Software is running offline.		

Method Editor: Setup and edit customized cycles

	Inprocess45						
	Inprocessao					¥	
ŝ	Start Pause Reset PAL View log file Insert Row Dek					ete row Trays	
	Method	Inj, Vol.	Tray	First Vial	Last Vial	Count	
1	Simple GC Injection	1	2ml-2	1	28	1	
2	PAL Local GC Injection	10	10ml-1	17	24	3	
3	Calibration1-5	7	2ml-2	17	24	3	
4	PAL Local GC Injection	10	10ml-1	17	24	3	
5	PAL Local GC Injection	10	10ml-1	17	24	3	
6	Calibration6-10	7	2ml-2	1	16	1	
7	Batch#112	7	2mi-2	1	14	1	
0	Batch#112	5	2mi-2	29	42	1	
9	Batch#112	5	2ml-2	57	70	1	
10	Calbration11-15	4.5	2ml-2	1	14	4	
11	Simple GC Injection	4.5	2mi-2	1	6	4	
12	Simple GC Injection	4.5	2ml-2	29	35	4	
13	Simple GC Injection	4.5	2ml-2	51	56	4	
14	Simple GC Injection	4.5	2ml-2	85	91	4	
12 13 14	Simple GC Injection	4.5	2ml-2	51	56		

rewrote method Calibration11-15

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

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