

LC System	Quat Pump	Autosampler	Column Compartment	Diode Array Detector	Multiple Wavelength Detector	Variable Wavelength Detector
<div><p><b>Settings</b></p><p>Runtimes</p><p>Stoptime [min]</p><p>Posttime [min]</p><p>Module runtime settings override LC settings</p></div> <div><div>1 On/Off</div><div>Default</div><div>1 Status</div><div>Timetable</div><div>Done</div></div>	<div><p><b>Settings</b></p><p>Solvent Composition</p><p>%B, %C, %D</p><p>%A = 100-%B-%C-%D</p><p>Flow [ml/min]</p><p>More ...</p><p>Flow Ramp [ml/min<sup>2</sup>]</p><p>Compressibility [10<sup>-6</sup>/bar]</p><p>Primary Channel [A,B,C,D,Auto]</p><p>Stroke [μl]</p><p>Pressure</p><p>Lower/Upper Pressure Limits [bar]</p></div> <div><div>1 On/Off</div><div>More ...</div><div>Timetable</div><div>Pressure</div><div>1 Reset</div><div>2 Status</div><div>Done</div></div>	<div><p><b>Settings</b></p><p>Injection Volume [μl]</p><p><input checked="" type="checkbox"/> Standard Injection</p><p><input checked="" type="checkbox"/> with needle wash</p><p><input checked="" type="checkbox"/> Injector Program</p><p>Default wash vial</p><p>More ... Settings</p><p>Draw Speed [μl/min]</p><p>Eject Speed [μl/min]</p><p>Draw Position Offset [mm]</p><p>More ... Optimization</p><p>Prefetch Vial / Overlap Injection Cycle at elapsed runtime [min]</p><p><input checked="" type="checkbox"/> always keep transport arm next to last vial</p></div> <div><div>1 Settings</div><div>2 Optimization</div><div>More ...</div><div>Timetable</div><div>Default</div><div>1 Reset</div><div>2 Status</div><div>Done</div></div>	<div><p><b>Settings</b></p><p>Temperature Left [°C]</p><p>Temperature Right [°C]</p><p><input checked="" type="checkbox"/> enable left/right separate mode</p><p>More ...</p><p>Enable Analysis</p><p><input checked="" type="checkbox"/> with any temperature</p><p><input checked="" type="checkbox"/> temp. within setpoint +/- [°C]</p></div> <div><div>1 On/Off</div><div>More ...</div><div>Timetable</div><div>Column Switch</div><div>Column ID</div><div>1 Reset</div><div>2 Status</div><div>Done</div></div>	<div><p><b>Settings</b></p><p>Sample/Ref. Wavelengths (A, B) [nm]</p><p>Sample/Ref. Bandwidths (A, B) [nm]</p><p>Peakwidth(Responsetime) [min]</p><p>Slit [nm]</p><p>More ... Settings</p><p>Auto Balance: <input checked="" type="checkbox"/> Prerun/<input checked="" type="checkbox"/> Postrun</p><p>Margin for negative Absorbance [mAU]</p><p>Required Lamps <input checked="" type="checkbox"/> UV/<input checked="" type="checkbox"/> VIS</p><p>More ... Signals C-E</p><p>Sample/Ref. WL &amp; BW (C, D, E) [nm]</p><p>Analogs</p><p>Out 1/2: Zero Offset [%]</p><p>Out 1/2: Attenuation [mAU]</p><p>Spectrum</p><p>Range [nm]</p><p>Store Spectra</p><p>Threshold [mAU]</p></div> <div><div>1 On/Off</div><div>More ...</div><div>Timetable</div><div>Analogs</div><div>Spectrum</div><div>1 Balance</div><div>2 Status</div><div>3 Reset</div><div>Done</div></div>	<div><p><b>Settings</b></p><p>Sample/Ref. Wavelengths (A, B) [nm]</p><p>Sample/Ref. Bandwidths (A, B) [nm]</p><p>Peakwidth(Responsetime) [min]</p><p>Slit [nm]</p><p>More ... Settings</p><p>Auto Balance: <input checked="" type="checkbox"/> Prerun/<input checked="" type="checkbox"/> Postrun</p><p>Margin for negative Absorbance [mAU]</p><p>Required Lamps <input checked="" type="checkbox"/> UV/<input checked="" type="checkbox"/> VIS</p><p>More ... Signals</p><p>Sample/Ref. Bandwidths (C, D, E) [nm]</p><p>Analogs</p><p>Out 1/2: Zero Offset [%]</p><p>Out 1/2: Attenuation [mAU]</p><p>Spectrum</p><p>Range [nm]</p></div> <div><div>1 On/Off</div><div>More ...</div><div>Timetable</div><div>Analogs</div><div>Spectrum</div><div>1 Balance</div><div>2 Status</div><div>3 Reset</div><div>Done</div></div>	<div><p><b>Settings</b></p><p>Wavelength [nm]</p><p>Peakwidth (Responsetime) [min]</p><p>Signal Polarity</p><p>More ...</p><p>Auto Balance: <input checked="" type="checkbox"/> Prerun/<input checked="" type="checkbox"/> Postrun</p><p>Margin for negative Absorbance [mAU]</p><p><input checked="" type="checkbox"/> Not-Ready when lamp is off</p><p>Analogs</p><p>Signal Source</p><p>Zero Offset [%]</p><p>Attenuation [mAU]</p><p>Spectrum</p><p>Range[nm]</p></div> <div><div>1 On/Off</div><div>More ...</div><div>Timetable</div><div>Analogs</div><div>Spectrum</div><div>1 Balance</div><div>2 Status</div><div>3 Reset</div><div>Done</div></div>
<div><p><b>Control</b></p></div> <div><div>1 On/Off</div><div>Reset</div><div>1 Default</div><div>Done</div></div>	<div><p><b>Control</b></p></div> <div><div>1 On/Off</div><div>Reset</div><div>1 Default</div><div>Done</div></div>	<div><p><b>Control</b></p></div> <div><div>1 On/Off</div><div>Release Vial</div><div>Home Gripper</div><div>Park Gripper</div><div>Reset</div><div>1 Default</div><div>Done</div></div>	<div><p><b>Control</b></p></div> <div><div>1 On/Off</div><div>Reset</div><div>1 Default</div><div>Balance</div><div>Done</div></div>	<div><p><b>Control</b></p></div> <div><div>1 On/Off</div><div>Reset</div><div>1 Default</div><div>Balance</div><div>Done</div></div>	<div><p><b>Control</b></p></div> <div><div>1 On/Off</div><div>Reset</div><div>1 Default</div><div>Balance</div><div>Done</div></div>	<div><p><b>Control</b></p></div> <div><div>1 On/Off</div><div>Reset</div><div>1 Default</div><div>Balance</div><div>Done</div></div>
<div><p><b>Configure</b></p><p>Auto-On [month/day/time]</p><p><input checked="" type="checkbox"/> turn on Module/LC System</p><p><input checked="" type="checkbox"/> load Method</p><p>After Error Condition:</p><p><input checked="" type="checkbox"/> turn off Module/LC System</p><p><input checked="" type="checkbox"/> run Method</p></div> <div><div>Printer</div><div>Display</div><div>Users</div><div>Date &amp; Time</div><div>Tips</div><div>Done</div></div>	<div><p><b>Configure</b></p></div> <div><div>Bottle Fillings</div><div>Actual</div><div>A</div><div>0.00</div><div>B</div><div>0.00</div><div>C</div><div>0.00</div><div>D</div><div>0.00</div><div>Total</div><div>0.00</div><div>Not-Ready below</div><div>0.100</div><div>Liter</div><div>Error if empty</div><div>Refill</div></div> <div><div>Interfaces</div><div>Bottle Fillings</div><div>Done</div></div>	<div><p><b>Configure</b></p><p>Syringe Volume [μl]</p><p>Seat Capillary [μl]</p><p>Multiple Draw Wait [s]</p><p>On Missing Vial</p></div> <div><div>Interfaces</div><div>Trays</div><div>Done</div></div>	<div><p><b>Configure</b></p><p><input checked="" type="checkbox"/> Disable leak detection</p><p><input checked="" type="checkbox"/> At Power-On turn temperature on</p><p>Column ID</p><p>Stationary Phase</p><p>Geometry; Particle Size; Void Volume</p><p>Product -, Serial -, Batch Number</p><p>Write</p><p>Column ID More ...</p><p>Max Pressure, - Temperature, - pH</p><p>Number of Injections</p><p>Comment</p></div> <div><div>Interfaces</div><div>Column ID</div><div>Done</div></div>	<div><p><b>Configure</b></p><p>Options</p><p>Analogs Voltage Range Out 1</p><p>Analogs Voltage Range Out 2</p><p>At Power-On turn <input checked="" type="checkbox"/> UV/<input checked="" type="checkbox"/> VIS lamp on</p></div> <div><div>Interfaces</div><div>Done</div></div>	<div><p><b>Configure</b></p><p>Options</p><p>Analogs Voltage Range Out 1</p><p>Analogs Voltage Range Out 2</p><p>At Power-On turn <input checked="" type="checkbox"/> UV/<input checked="" type="checkbox"/> VIS lamp on</p></div> <div><div>Interfaces</div><div>Done</div></div>	<div><p><b>Configure</b></p><p>Options</p><p>Analogs voltage range</p><p><input checked="" type="checkbox"/> At Power-On turn UV lamp on</p><p>Lamp Type</p></div> <div><div>Interfaces</div><div>Done</div></div>
<div><p><b>Tests</b></p></div> <div><div>Tests</div><div>Keyboard</div><div>F1</div><div>F2</div><div>F3</div><div>F4</div><div>F5</div><div>F6</div><div>Enter</div><div>Reset</div><div>Keyboard</div><div>Done</div></div>	<div><p><b>Tests</b></p></div> <div><div>1 Schematics</div><div>Execute</div><div>Reset</div><div>1 Start</div><div>2 Pump On/Off</div><div>3 Schematics</div><div>Pressure Test</div><div>Leak Test</div><div>Done</div></div>	<div><p><b>Tests</b></p><p>Functions: Valve bypass/mainpass, Syringe home/draw, Needle up into vial, Fetch/Return vial;</p><p>Align Tray</p><p>Tray alignment/Vial teaching</p><p>Align Transport</p><p>X Correction [mm]</p><p>Theta Correction [deg]</p><p>Change</p><p>Change needle/piston/arm</p></div> <div><div>1 Tray</div><div>2 Transport</div><div>Align</div><div>Execute</div><div>Reset</div><div>1 Start</div><div>2 Schematics Sampler</div><div>3 Schematics Thermo</div><div>Change</div><div>Done</div></div>	<div><p><b>Tests</b></p></div> <div><div>Calibrate</div><div>Left Heat Exchanger</div><div>Right Heat Exchanger</div><div>Measured [36.00] °C</div><div>Actual 24.60 °C</div><div>Measured [36.00] °C</div><div>Actual 24.48 °C</div><div>1 Schematics</div><div>Execute</div><div>Reset</div><div>1 Start</div><div>2 Temp On/Off</div><div>3 Schematics</div><div>Calibrate</div><div>Done</div></div>	<div><p><b>Tests</b></p><p>Functions: Start/Stop test chromatogram, Enable/Disable DAC test pattern</p></div> <div><div>1 Schematics</div><div>Execute</div><div>Reset</div><div>1 Start</div><div>2 Lamp On/Off</div><div>3 Schematics</div><div>Calibrate</div><div>Spectrum</div><div>Slit Test</div><div>Intensity</div><div>Plot</div><div>Done</div></div>	<div><p><b>Tests</b></p><p>Functions: Start/Stop test chromatogram, Enable/Disable DAC test pattern</p></div> <div><div>1 Schematics</div><div>Execute</div><div>Reset</div><div>1 Start</div><div>2 Lamp On/Off</div><div>3 Schematics</div><div>Calibrate</div><div>Spectrum</div><div>Slit Test</div><div>Intensity</div><div>Plot</div><div>Done</div></div>	<div><p><b>Tests</b></p><p>Functions: Start/Stop test chromatogram, Grating test, Filter test, Enable/Disable Dark current test, Enable/Disable DAC test pattern</p></div> <div><div>1 Schematics</div><div>Execute</div><div>Reset</div><div>1 Start</div><div>2 Lamp On/Off</div><div>3 Schematics</div><div>Service</div><div>Calibrate</div><div>Spectrum</div><div>Lamp Char</div><div>Plot</div><div>Done</div></div>

Samples Screen

Samples

Seq.Line 0 Vial 0 Inj.# 0 Time 0.00 Idle Ready \*

Vial Range

Vial 1 to 8 #Inj 1

Method TEST Stoptime 5.00 min

Sequence

Line 1 to 8

Start

On/Off

Plot

1 Balance

2 Print Screen

3 Restart

End Actions

Timetable

Method

Sequence

Views

On end of ...

Load Method

Turn off

Turn off complete HPLC system

ACTUAL

Nothing

Status Screen

Status

Seq.Line 0 Vial 0 Inj.# 0 Time 0.00 Idle Ready \*

Flow 0.300 ml/min

% B 20.0 %

12 bar | Ripple -0.3 %

Temp 25.80 °C

1.117 mAU

λ 250 nm

Elapsed 0.00 min

Start

On/Off

Plot

1 Balance

System Screen

System

Pump Temp Lamp Time 0.00 Idle Ready \*

Fri 15:20

Start

On/Off

Plot

1 Date&Time

2 Save Logbook

3 Print Logbook

4 Setup Logbook

5 Restart

Control

Configure

Tests

Records

Views

Module	Message	Id	Date	Time
Quat Pump	Setpoint changed	INFO	03/26	15:19:26
Quat Pump	Pump on	STATE	03/26	15:18:46
VW Detector	UV lamp burn time limit	EMF	03/26	15:18:13
Col Comp	Calibration done	STATE	03/26	15:18:09
MW Detector	VIS lamp on	STATE	03/26	15:18:13

Analysis Screen

Analysis

Seq.Line 0 Vial 0 Inj.# 0 Time 0.00 Idle Ready \*

Fri 15:21

Start

On/Off

Plot

1 Pump On/Off

2 Bottle Fillings

3 Reset

4 Status

5 Setup View

6 Restart

1 Program

2 Reset

3 Status

4 Setup View

5 Restart

1 Temp On/Off

2 Column ID

3 Reset

4 Status

5 Setup View

6 Restart

1 Lamp On/Off

2 Balance

3 Reset

4 Status

5 Setup View

6 Restart

1 Date&Time

2 Print Screen

3 About

4 Setup View

5 Restart

Settings

Timetable

Method

Sequence

Views

Method

Seq.Line 0 Vial 0 Inj.# 0 Time 0.00 Idle Ready \*

Module

Setting

Value

Save As

Default

Print

Quat Pump

Autosampler

Col Comp

VW Detector

DA Detector

FL Detector

Information stored in Methods:

- Runtimes

- Settings

- Timetable

- User Information

- Injector Program

- Optimization

Module

PC-Card

Timetable

Sequence

Seq.Line 0 Vial 0 Inj.# 0 Time 0.00 Idle Ready \*

Line

Vials

#

Inj.Vol

Method

Wait

Calibration

Start

Insert

Delete

Information stored in Sequences:

- Vial Range Information

- Injection Volume

- Method Name

- Wait Time (after Method Load)

- (Re-) Calibration Settings

End Actions

PC-Card

Method

Logbook

Signal

Pump Temp Lamp Time 0.00 Idle Ready \*

254 nm -0.359 mAU

Cursor

Rescale

Select

1 Clear All

2 Print Plot

3 Maximize

Available Signals

Selected Signals

Time Range 3.0 min

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