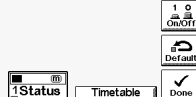
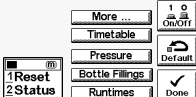
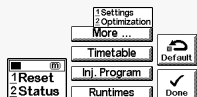
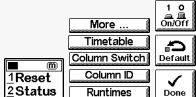
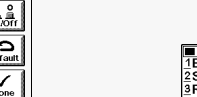
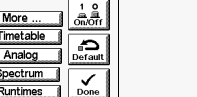
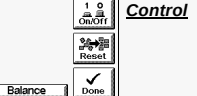
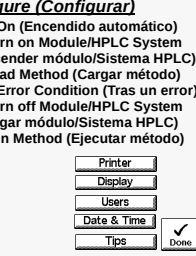
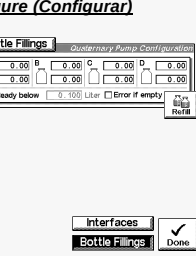
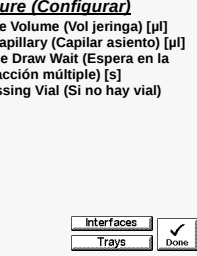
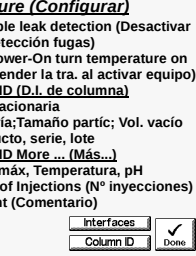
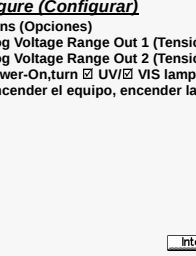
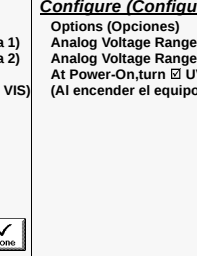
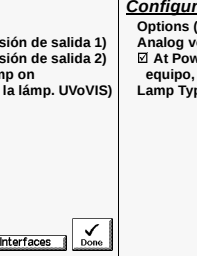
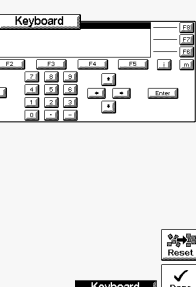
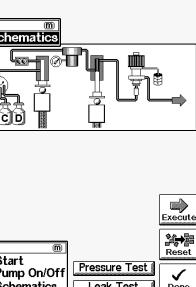
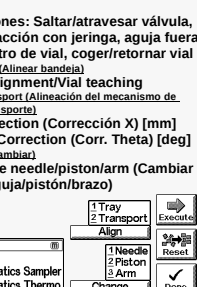
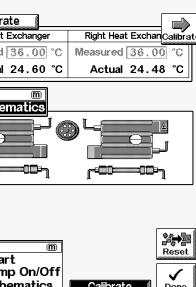
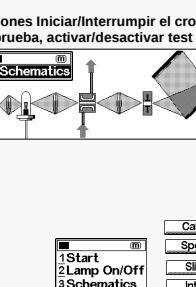
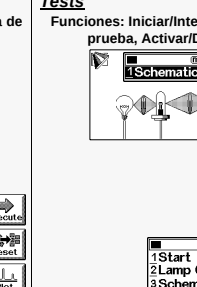
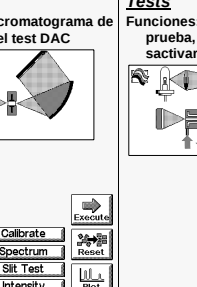


| Sistema HPLC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Bomba cuaternaria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Inyector automático                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Compart. de columna                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Detector de diodos                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Detector de I. onda múltiple                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Detector de I. onda variable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Settings (Parámetros)</b><br>Runtimes (Tiempos del análisis)<br>Stoptime (t final) [min]<br>Posttime (t post-análisis) [min]<br><i>Los parámetros del análisis del módulo sobrescriben a los parámetros de HPLC</i><br>                                                                                                                                                                                                                             | <b>Settings (Parámetros)</b><br>Solvent Composition (Comp disolv)<br>%B, %C, %D<br>$%A = 100 - \%B - \%C - \%D$<br>Flow (Flujo) [ml/min]<br><b>More... (Más...)</b><br>Flow Ramp (Rampas flujo) [ml/min] <sup>2</sup><br>Compressibility (Compresibilidad) [10 <sup>-9</sup> /bar]<br>Primary Channel (Canal principal) [A,B,C,D,Auto]<br>Stroke (Embolada) [μl]<br><b>Pressure (Presión)</b><br>Lower/Upper Pressure Limits (Límites presión min/máx) [bar]<br> | <b>Settings (Parámetros)</b><br>Injection Volume (Vol inyección) [μl]<br><input checked="" type="checkbox"/> Standard injection (Iny. estándar)<br><input checked="" type="checkbox"/> with needle wash (con lavado de aguja)<br><input checked="" type="checkbox"/> Injector Program (Con Programa)<br>Default wash vial (Vial lavado por defecto)<br><b>More... (Más...) Settings (Parámetros)</b><br>Draw Speed (Vel extracción) [μl/min]<br>Eject Speed (Vel expulsión) [μl/min]<br>Draw Position Offset (Compensación de posición, extracción) [mm]<br><b>More... (Más...) Optimization</b><br>Prefetch Vial/Overlap Injection Cycle at elapsed runtime [min]<br><input checked="" type="checkbox"/> always keep transport arm next to last vial (mantener el brazo de transporte próximo al último vial)<br> | <b>Settings (Parámetros)</b><br>Temperature Left (Tra. izda) [°C]<br>Temperature Right (Tra. dcha) [°C]<br><input checked="" type="checkbox"/> enable left/right separate mode (activar el modo dcha/izda separadamente)<br><b>More... (Más...)</b><br>Enable Analysis (Permitir el análisis)<br><input checked="" type="checkbox"/> with any temperature (con cualquier temperatura)<br><input checked="" type="checkbox"/> temp. within setpoint +/- (con la temperatura dentro del valor establecido +/-) [°C]<br> | <b>Settings (Parámetros)</b><br>Sample/Ref. Wavelengths (A, B) [nm]<br>Sample/Ref. Bandwidths (A, B) [nm]<br>Peakwidth (Response time) (Ancho pico(t res)) [nm]<br>Slit (Rendija) [nm]<br><b>More... (Más...) Settings (Parámetros)</b><br>Auto Balance (Bal autom.): <input checked="" type="checkbox"/> Prerun <input checked="" type="checkbox"/> Postrun<br>Margin for negative Absorbance (Margen Abs. (-))<br>Required Lamps (Lámp necesarias): <input checked="" type="checkbox"/> UV <input checked="" type="checkbox"/> VIS<br><b>More... (Más...) Signals C-E (Señales C-E)</b><br>Sample/Ref. WL & BW (C, D, E) [nm]<br><b>Analog (Analógico)</b><br>Out 1/2: Zero Offset (Compensación de cero) [%]<br>Out 1/2: Attenuation (Atenuación) [mAU]<br><b>Spectrum (Espectro)</b><br>Range (Rango) [nm]<br>Store Spectra (Almacenar espectros)<br>Threshold (Umbral) [mAU]<br> | <b>Settings (Parámetros)</b><br>Sample/Ref. Wavelengths (A, B) [nm]<br>Sample/Ref. Bandwidths (A, B) [nm]<br>Peakwidth (Response time) (Ancho pico(t res)) [nm]<br>Slit (Rendija) [nm]<br><b>More... (Más...) Settings (Parámetros)</b><br>Auto Balance (Balance automático): <input checked="" type="checkbox"/> Prerun (Pre-análisis) <input checked="" type="checkbox"/> Postrun (Post-análisis)<br>Margin for negative Absorbance (Margen Abs. (-))<br>Required Lamps (Lámp necesarias): <input checked="" type="checkbox"/> UV <input checked="" type="checkbox"/> VIS<br><b>More... (Más...) Signals (Señales)</b><br>Sample/Ref. Bandwidths (C, D, E) [nm]<br><b>Analog (Analógico)</b><br>Out 1/2: Zero Offset (Compensación de cero) [%]<br>Out 1/2: Attenuation (Atenuación) [mAU]<br><b>Spectrum (Espectro)</b><br>Range (Rango) [nm]<br> | <b>Settings (Parámetros)</b><br>Wavelength (Longitud onda) [nm]<br>Peakwidth (Response time) (Ancho pico(t res)) [nm]<br>Signal Polarity (Polaridad de señal)<br><b>More... (Más...)</b><br>Auto Balance (Balance automático): <input checked="" type="checkbox"/> Prerun (Pre-análisis) <input checked="" type="checkbox"/> Postrun (Post-análisis)<br>Margin for negative Absorbance (Margen Abs. (-))<br><input checked="" type="checkbox"/> Not-Ready when lamp is off (No preparado cuando la lámpara esté apagada)<br><b>Analog (Analógico)</b><br>Signal Source (Origen de señal)<br>Zero Offset (Compensación de cero) [%]<br>Attenuation (Atenuación) [mAU]<br><b>Spectrum (Espectro)</b><br>Range (Rango) [nm]<br> |
| <b>Control</b><br>                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>Control</b><br>                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Control</b><br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Control</b><br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>Control</b><br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>Control</b><br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Control</b><br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Configure (Configurar)</b><br>Auto-On (Encendido automático)<br><input checked="" type="checkbox"/> turn on Module/HPLC System (Encender módulo/Sistema HPLC)<br><input checked="" type="checkbox"/> load Method (Cargar método)<br>After Error Condition (Tras un error):<br><input checked="" type="checkbox"/> turn off Module/HPLC System (apagar módulo/Sistema HPLC)<br><input checked="" type="checkbox"/> run Method (Ejecutar método)<br> | <b>Configure (Configurar)</b><br>                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Configure (Configurar)</b><br>Syringe Volume (Vol jeringa) [μl]<br>Seat Capillary (Capilar asiento) [μl]<br>Multiple Draw Wait (Espera en la extracción múltiple) [s]<br>On missing Vial (Si no hay vial)<br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Configure (Configurar)</b><br><input checked="" type="checkbox"/> Disable leak detection (Desactivar la detección fugas)<br><input checked="" type="checkbox"/> At Power-On turn temperature on (Encender la tra. al activar equipo)<br><b>Column ID (D.I. de columna)</b><br>Fase estacionaria<br>Geometría; Tamaño partíc; Vol. vacío<br>N° producto, serie, lote<br><b>Column ID More... (Más...)</b><br>Presión máx, Temperatura, pH<br>Number of Injections (N° inyecciones)<br>Comment (Comentario)<br>     | <b>Configure (Configurar)</b><br>Options (Opciones)<br>Analog Voltage Range Out 1 (Tensión de salida 1)<br>Analog Voltage Range Out 2 (Tensión de salida 2)<br>At Power-On, turn <input checked="" type="checkbox"/> UV <input checked="" type="checkbox"/> VIS lamp on (Al encender el equipo, encender la lámp UV o VIS)<br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Configure (Configurar)</b><br>Options (Opciones)<br>Analog Voltage Range Out 1 (Tensión de salida 1)<br>Analog Voltage Range Out 2 (Tensión de salida 2)<br>At Power-On, turn <input checked="" type="checkbox"/> UV <input checked="" type="checkbox"/> VIS lamp on (Al encender el equipo, encender la lámp. UV o VIS)<br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>Configure (Configurar)</b><br>Options (Opciones)<br>Analog voltage range (Rango voltaje analógico)<br><input checked="" type="checkbox"/> At Power-On turn UV lamp on (Al encender el equipo, encender la lámpara UV)<br>Lamp Type (Tipo de lámpara)<br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Tests</b><br>                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>Tests</b><br>                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Tests</b><br>Funciones: Saltar/atrasar válvula, extracción con jeringa, aguja fuera /dentro de vial, coger/retornar vial<br>Align Tray (Alinear bandeja)<br>Tray alignment/Vial teaching<br>Align Transport (Alineación del mecanismo de transporte)<br>X Correction (Corrección X) [mm]<br>Theta Correction (Corr. Theta) [deg]<br>Change (Cambiar)<br>Change needle/piston/arm (Cambiar aguja/pistón/brazo)<br>                                                                                                                                                                                                                                                                                                                                                                                             | <b>Tests</b><br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>Tests</b><br>Funciones Iniciar/Interrumpir el cromatograma de prueba, activar/desactivar test DAC<br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Tests</b><br>Funciones: Iniciar/Interrumpir el cromatograma de prueba, Activar/Desactivar el test DAC<br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Tests</b><br>Funciones: Iniciar/Interrumpir el cromatograma de prueba, los test difracción y del filtro, activar/desactivar el test de corriente oscura y el test DAC<br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

Para más información sobre los módulos Agilent 1100, por favor diríjanse al Manual de Referencia de los módulos.

## Pantalla "Samples" (Muestras)

**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

End Actions Timetable Method Sequence Views

Start On/Off Plot

1 Balance 2 Print Screen 3 Restart

End Actions

On end of ...

■ Vial Range

Timeout 0.5 min

☐ Load Method \*ACTUAL\*

☒ Turn off Nothing

☐ Turn off complete HPLC system

## Pantalla "Status" (Estado)

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

Flow 0.300 ml/min Temp 25.80 °C

% B 20.0 % 1.117 mA

12 bar | Ripple -0.3 % λ 250 nm

Elapsed 0.00 min

Start On/Off Plot

1 Balance

## Pantalla "System" (Sistema)

**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

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

Control Configure Tests Records Views



Agilent Technologies

## Pantalla "Analysis" (Análisis)

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

Fri 15:21 1 - 1 # 1 TEST 5.00

Flow 0.300 ml/min 0.3 µl L OFF °C A λ BW 1 0 On/Off

25.81 °C Samp 250/100

R 20.00 °C Ref 360/100

16 bar 0.0 µl 24.73 °C 23.892

Settings Timetable Method Sequence Views

1 Pump On/Off 2 Bottle Filling 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

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

Module Setting Value \*ACTUAL\*

Quat Pump Autosampler Col Comp VW Detector DIA Detector FL Detector

Información guardada en Methods:

- t. análisis
- Parámetros
- Programa inyector
- Tabla tiempos Optimización

Save As Default Print

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

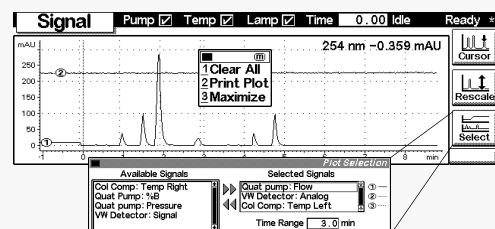
Line Vials # Inj.Vol Method Wait Calibration

Información guardada en "Sequences":

- Información del rango de viales
- Volumen de inyección - Tiempo espera (tras "Method Load")
- Nombre del método - Parámetros de (re)-calibración

Insert Delete

End Actions PC-Card Method Logbook



G1323-95007