

Nechte se okouzlit novou generací **LC Infinity III**
- je SMART a s ní budete i VY

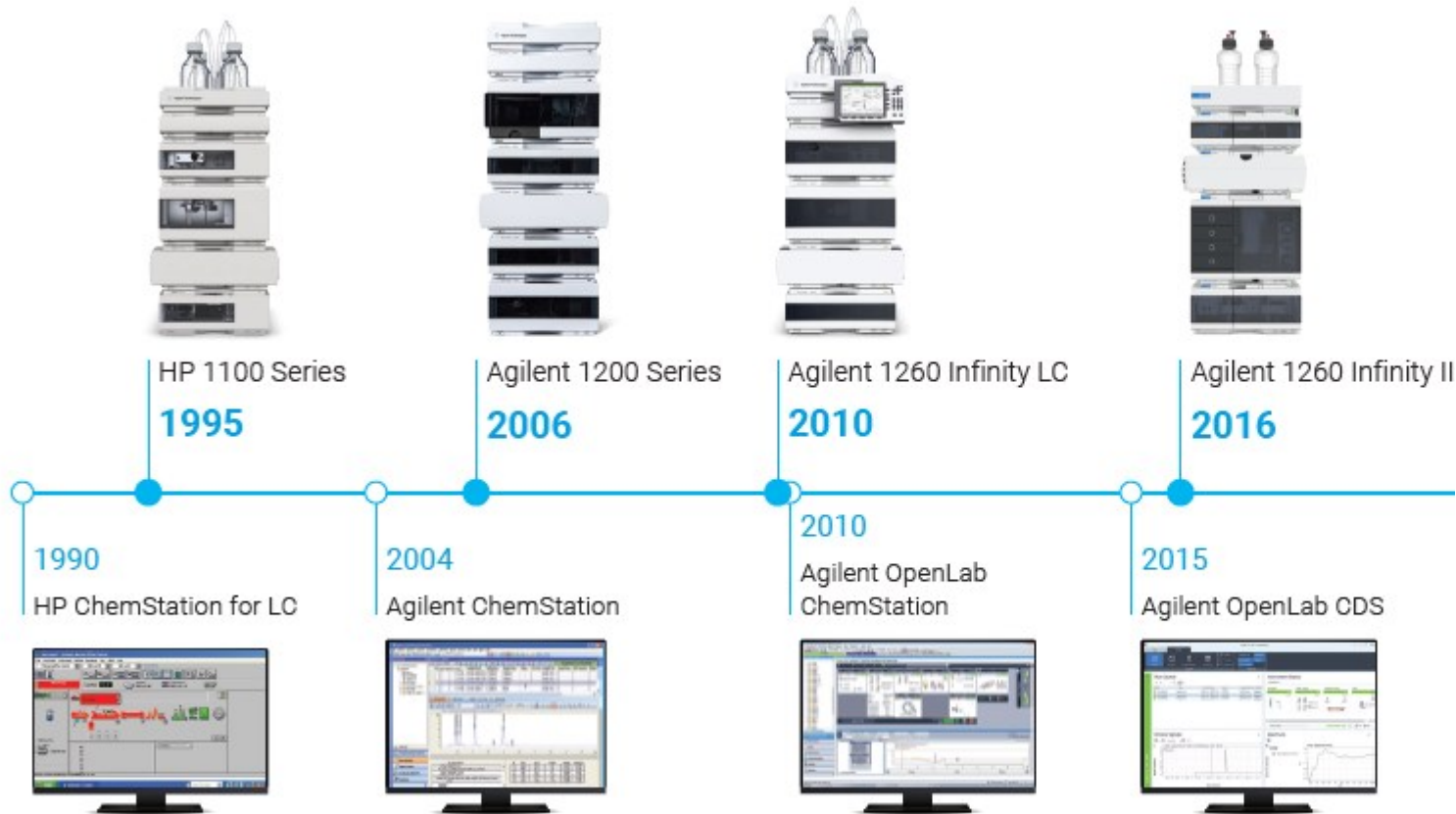


Altium

12.11.2024 Hotel Don Giovanni Prague

Jan Kovář

Produktový specialista



329



600
BAR

800
BAR

1300
BAR

BIO

BIO
INERT

Klíčové Inovace nové Agilent Infinity III

Solvent Level Sensing



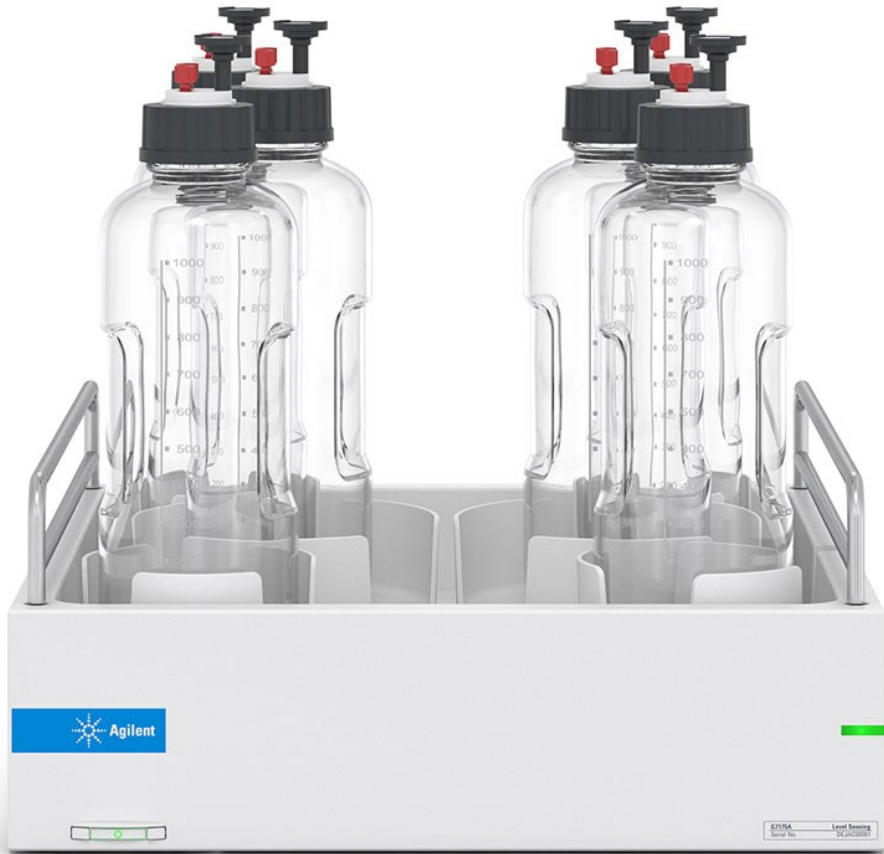
InfinityLab Assist



Sample ID Reader



Modul pro hlídání hladiny mobilní fáze



- ❖ gravimetrický princip
- ❖ kapacita **šest lahví MF**: 4x 1L lahev a 2x 2,5L lahev.
- ❖ **Mobilní fázi stačí pouze doplnit – bez nutnosti „tárování“ lahví.**
- ❖ Minimální manuální interakce **a maximální efektivita**

Integrace v OpenLab CDS

LC - Acquisition

File Home Control

Take Release Status Method Single Sample Sequence Ad Hoc Mode Copy Delete Run Queue Activity Log Instrument Status Online Signals Solvent Monitor Spectrum Sequence Creation Template Status Windows

Sequence - Sequence1.sqx

General Properties Run Options Injections Table

#	Action	Sample type
1	☒ Inject	Blank
2	☒ Inject	Cal. Std.
3	☒ Inject	Cal. Std.
4	☒ Inject	Sample
5	☒ Inject	Sample
6	☒ Inject	Sample
7	☒ Inject	Sample
8	☒ Inject	Sample

Sample custom parameters Compound

* Indicates Mandatory Entry

Parameter Value

Compartment 1

1.00 L
Actual Volume

Purging bottle

Consumption (est.): 0.00 L
Leftover volume (est.): 1.00 L

No Bottle
Actual Volume

Consumption (est.): 0.00 L
Leftover volume (est.): 1.00 L

No Bottle
Actual Volume

Consumption (est.): 0.00 L
Leftover volume (est.): 1.00 L

No Bottle
Actual Volume

Consumption (est.): 0.00 L
Leftover volume (est.): 1.00 L

0.15 L
Actual Volume

Acetonitrile

Consumption (est.): 0.00 L
Leftover volume (est.): 0.15 L

1.00 L
Actual Volume

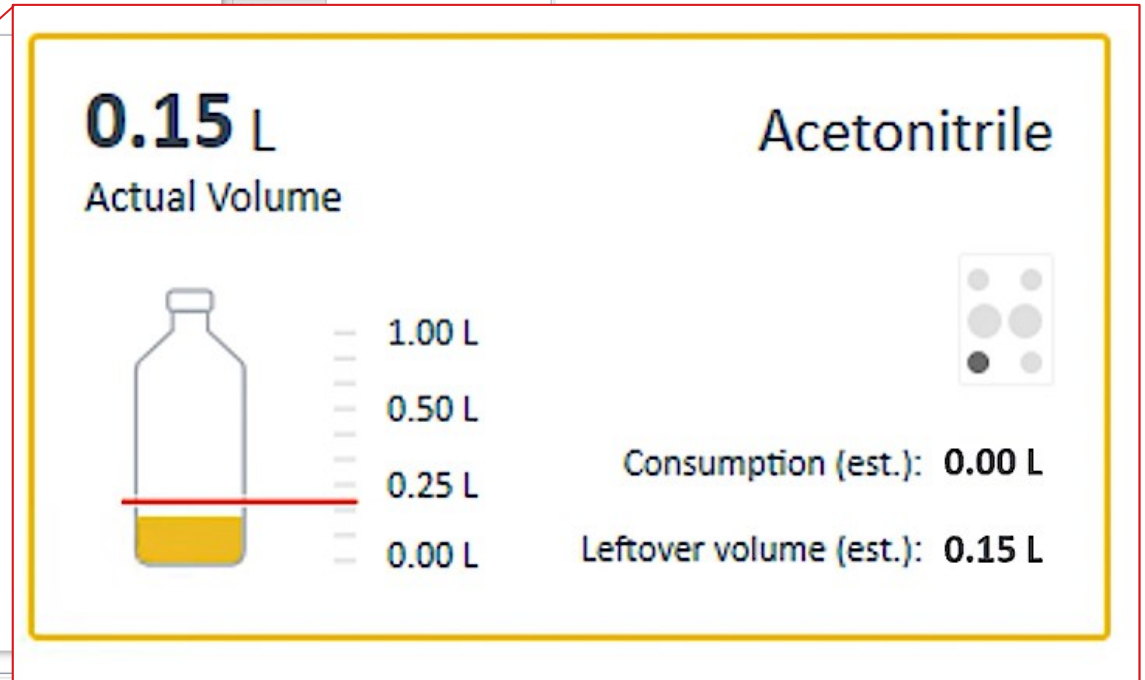
Water

Consumption (est.): 0.00 L
Leftover volume (est.): 1.00 L

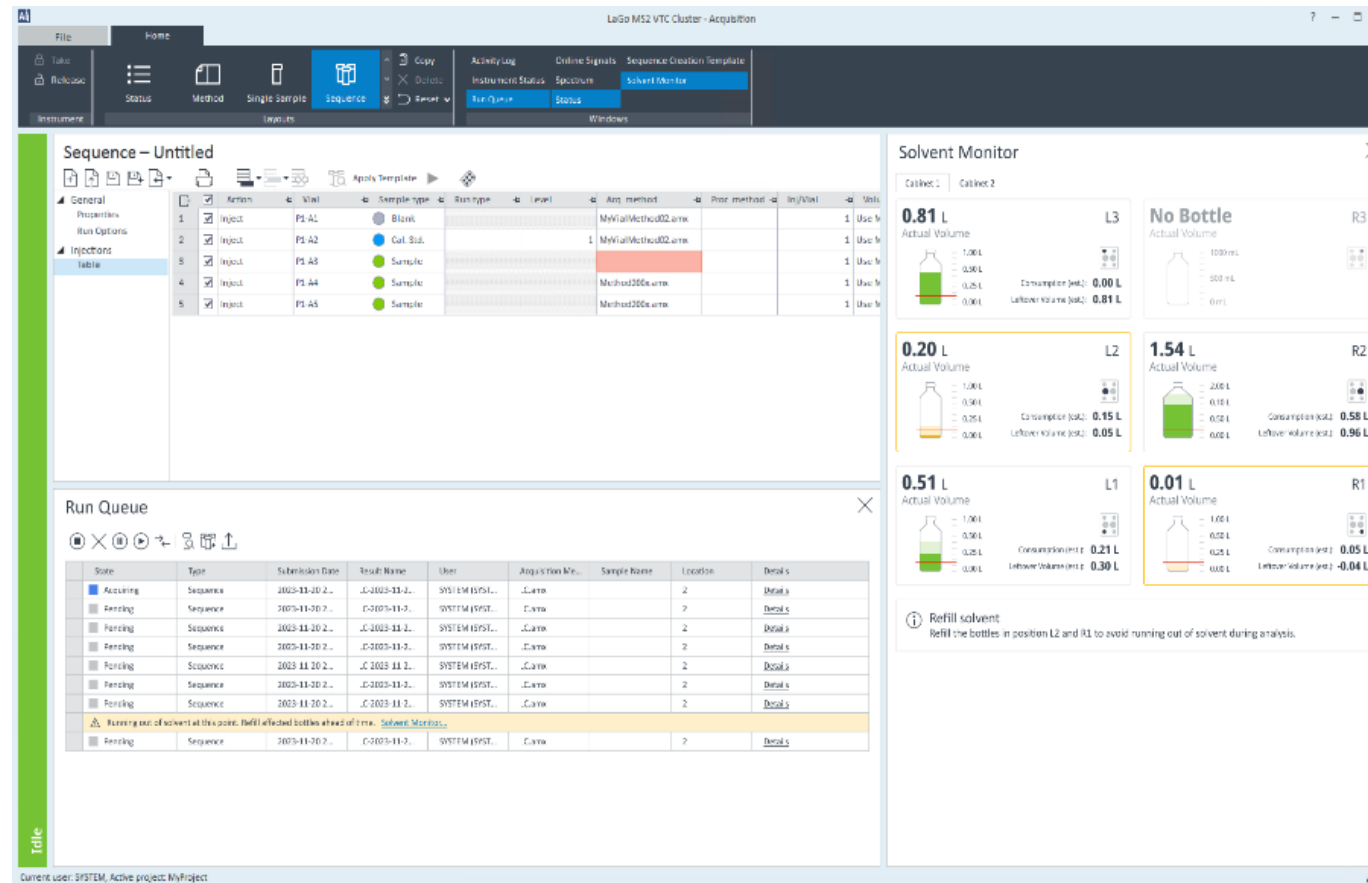
Result path: C:\CDSP\Projects\SLS\Results
Result name:
Save result as: One result set

Validate Run

Current user: SYSTEM (SYSTEM), Active project: SLS



Integrace v OpenLab CDS – odhad spotřeby



Nové rozhraní pro řízení Vašeho (U)HPLC



InfinityLab Assist Tasks



Automatizujte programujte a plánujte úlohy spouštění a vypínání systému, které můžete **ovládat i na dálku**.

InfinityLab Assist Smart Purge

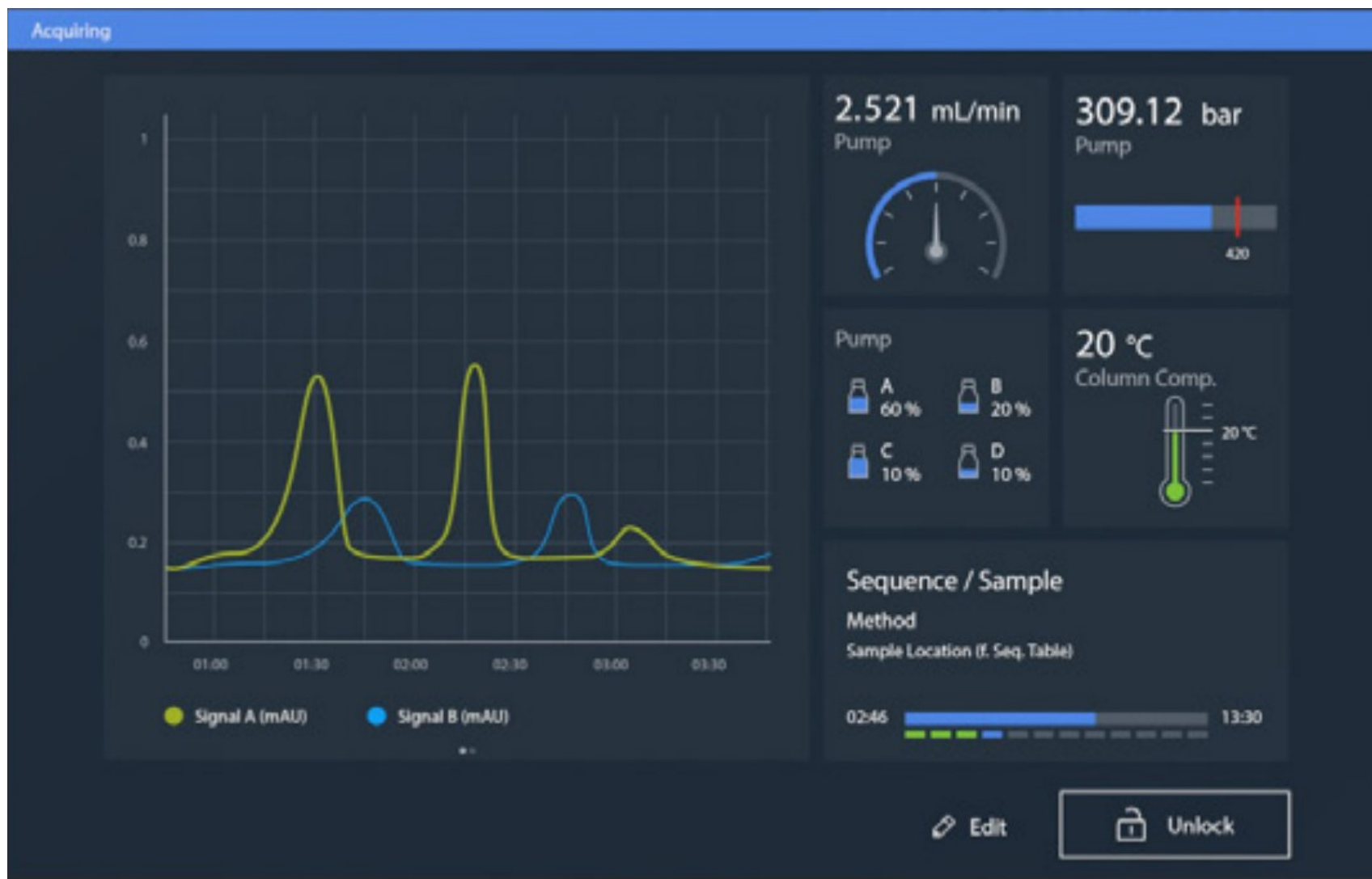


Automatizujte proplachování čerpadla a autosampleru a minimalizujte čas strávený u systému

InfinityLab Assist Troubleshooting



Využijte integrované **průvodce, krok-za-krok** k identifikaci a odstranění příčin problémů a ke spuštění zkušebních/testovacího postupů.



Not Ready

Health

**Maintenance**
Maintenance guides and tools for common tasks.

**Diagnostics**
Diagnostic tasks and wizards.

**Insights**
EMF counters and statistics about the instrument.

**Troubleshooting**
Guides and information for when the instrument runs into a problem.

**Log**
Instrument actions are recorded here.

Connection to Assist Hub is lost, trying to reconnect...

← Replace Deuterium Lamp

Overview

Results

VWD
G7114A:PH11287092

Time Required80 - 90 min

Steps2

Tools & Parts Required

Safety

WARNINGCAUTION

This procedure describes the replacement of the deuterium lamp.

Start Maintenance



Error

←

Assisted Troubleshooting: Select Cause

Most probable cause

Clogged needle or needle seat

Other causes

Clogged column

Misconfigured method parameters

Clogged heat exchanger

Clogged capillary

Cancel

Notifications

?

×

Binary Pump G7132A:LPBBV00014

less than a minute ago

^

▲

✖

Pressure above high pressure limit (600 bar)

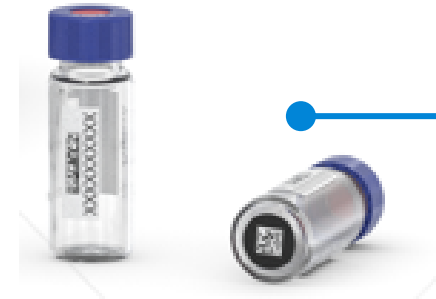
Clear

Troubleshooting

Details

Čtečka QR kódů vialek v Multisampleru

- ❖ Šetříte čas tím, že nebudete zadávat pozice vialek v sekvenci vzorků.
Multisampler si najde vialku sám podle kódu.
- ❖ Stačí vložit vialku do volné pozice v Multisampleru



InfinityLab Certified ID Vials



Sample Linking Station
with Sample Linking Software



InfinityLab Sample ID Reader

Nová generace směšovacího ventilu



Analyzing Iohexol by Compendial Method Produces Excellent Precision with Shallow Gradients Using an Agilent 1260 Infinity III LC



Abstract
The separation of Iohexol and its impurities is a process performed for the analysis of pharmaceuticals. Several of these methods require conditions such as shallow gradients to achieve the required resolution and precision. This paper describes a method for the separation of Iohexol and its impurities using a shallow gradient method. The method involves the use of a compendial method to achieve the required resolution and precision. The method involves the use of a compendial method to achieve the required resolution and precision. The method involves the use of a compendial method to achieve the required resolution and precision.

Gradient	0 min	1% B
	60 min	13% B
	60.01 min	99% B

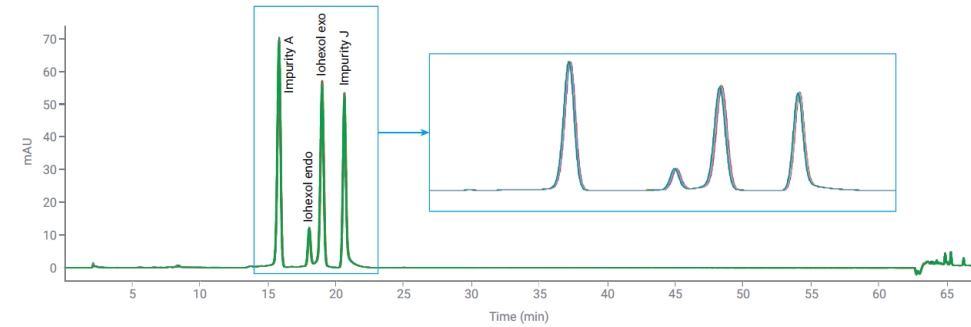


Figure 2. Chromatogram overlay (N = 8) of the separation using the compendial method.

S novou **kvartérní LC pumpou 1260 Infinity III** si užijete vyšší přesnost a vyšší robustnost metod - a to vše s plnou zpětnou kompatibilitou metod

Compound	RT (min)	Relative RT	Resolution (EP)	RT RSD (%)
Impurity A	15.865	0.83	—	0.069
Iohexol Endo	18.096	0.95	5.5	0.083
Iohexol Exo	19.041	1.00	2.2	0.078
Impurity J	20.685	1.09	3.8	0.059

Možnost upgradu / zpětná kompatibilita

InfinityLab Assist



Sample ID Reader



Solvent Level Sensing



New Gradient Valve





Altium

Děkuji za pozornost.