

sanofi

Accelerating your lab operations with Vanquish LC systems

Give your lab a boost

Sanofi, an innovative global healthcare company, began modernizing its LC methods using Thermo Scientific™ Vanquish™ LC systems to improve throughput. This upgrade increased capacity and lowered their environmental impact through a reduction in energy and solvent consumption.

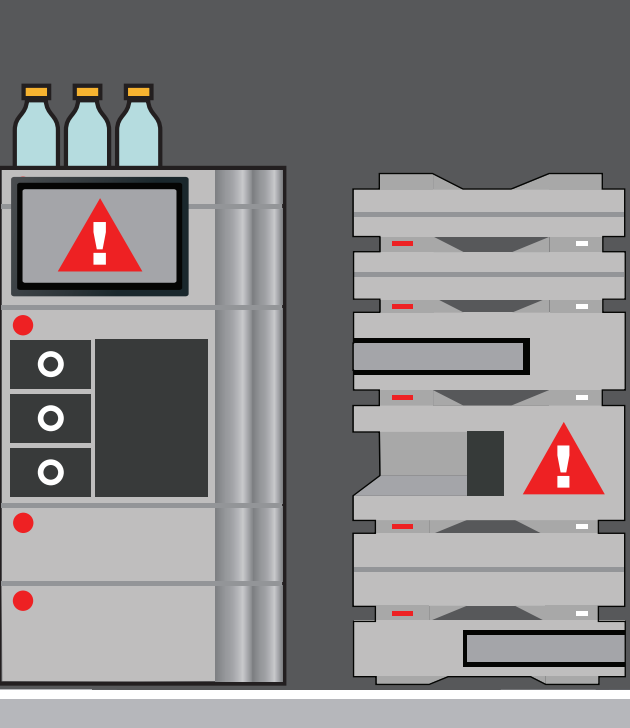


Method modernization

BEFORE

15 min.
assay method
run time
+
45 min.
impurity method
run time
60 min.
total run time

~5.5 L
of solvents
used per
sequence*



AFTER

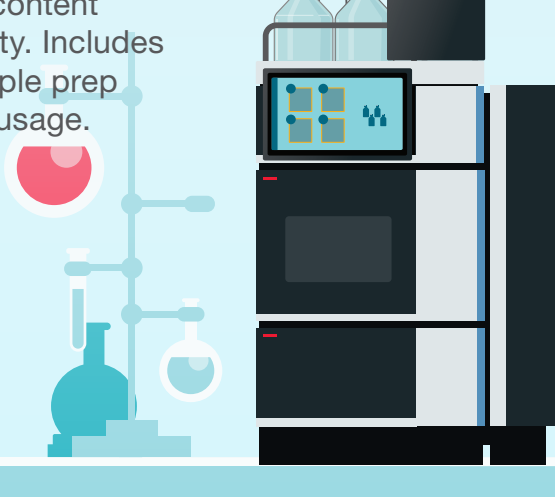
5.5 min.
combined assay/
impurity method
run time
~3.0 L
of solvents used
per sequence*

~2.5 L
total savings

Benefits:

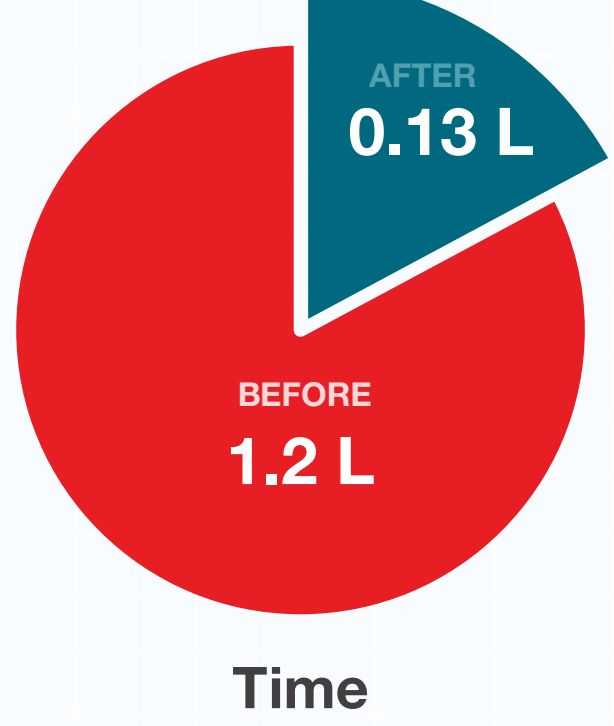
- Shorter injection cycle time (1 min. vs. 2.5 min.)
- Larger sample capacity (216 x 2 mL vials)

*Sequence = 3 batches and 10 content uniformity. Includes the sample prep solvent usage.



Boosting your productivity

Solvent consumption



“Vanquish systems have proven to be robust and have not led to any system suitability failures.”

Estimated savings



109 L of solvents
saved per year



20 analyst workdays
saved per year

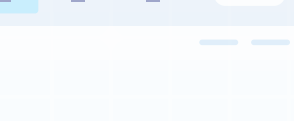
Time



Vanquish technology benefits

Cut your labor costs

Saves approximately **\$7,000** per year in labor and solvent consumption/disposal



	Yearly savings ¹
LC analysis time (workday)	20
Solvent consumption (L)	109
Labor (USD) ²	\$3,800
Solvent (USD)	\$3,270

¹Yearly savings from 300 lots

²Assuming a 7.5-hour workday and only 25% of daily activities associated with HPLC

Double your throughput

If you're looking to maximize efficiency, explore Thermo Scientific Vanquish Duo UHPLC systems.

- **Two complete HPLC systems in a single stack**
- **Reduce your costs: Lower investment and maintenance costs vs. two individual systems**
- **Increase capacity without the need for additional bench space**

Meet your sustainability goals

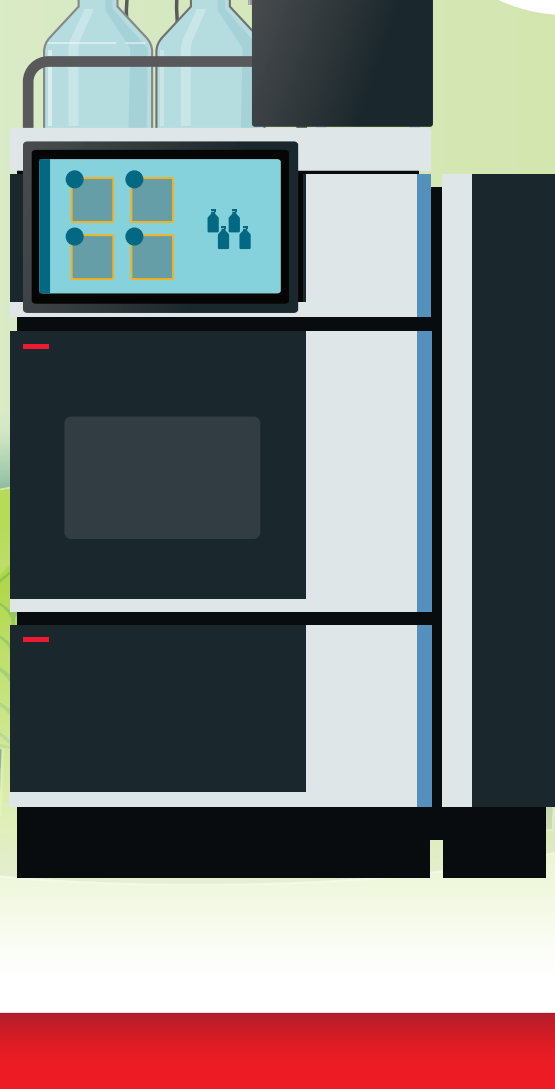
Modernizing your LC systems can help you:

Lower power consumption

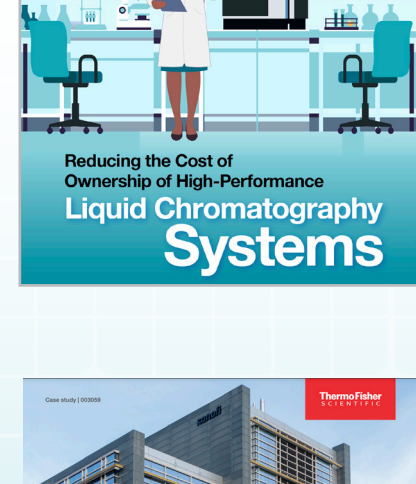
- 5.5 min. vs. **60 min.** per analysis
- **78%** reduction in instrument run time per sequence
- Save on instrument running and solvent waste disposal costs

Lower solvent usage

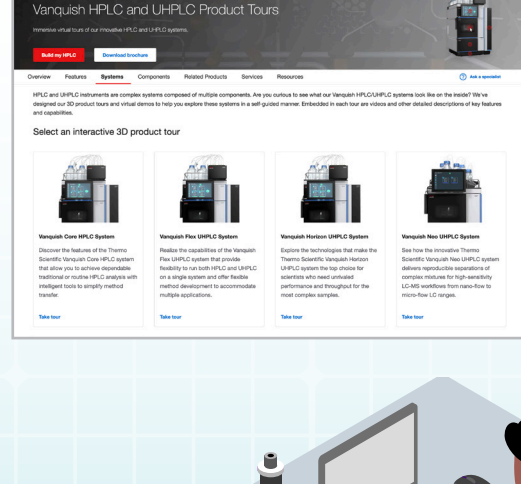
- **2.5** fewer liters per sequence
- Save over \$10,000 per year



Want to discover more?



Learn more about cost of ownership



Meet your dream HPLC system today



Learn how to increase your productivity

