#### HPLC and UHPLC

Workflows

## Improve with flexibility

# Benefits of Vanquish Duo System workflows compared to single channel LC

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low Path 1 Analytic Appli	ication 1 Recondition	Analytical Gradient Application 1	tioning	Application Switch Time	Analytical Gradient Application 2	Recondi- tioning	Analytical Gradient Application 2	tioning
<b>/anquish Duo U</b> Double your produc	HPLC Systems	f <b>or Dual LC</b> ependent UHPLC cha	annels in one	stack				
Iow Path 1 Analytic	al Gradient Recon	di- Analytical Gradient	Recondi-					
	ication 1 tionin	ndia	Time savings					
low Path 2 Appl	lication 2	ning Application	1 2 tion	ing		Comp	ared to single chanr	nei LC
/anquish Duo U	HPLC Systems	for Dual LC-MS						
Oouble your produc	ctivity with integrate	ed multi-channel for u	ultra-high-thro	oughput LC-MS				
low Path 1 Analytic	cal Gradient Recondication 1 tioning	di- Analytical Gradient Application 1	Recondi- tioning					
low Path 2	Analytical G	radient Recondi- A	nalytical Gradie	nt Recondi-				
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Resulting	ication 1 Application	on 2 Application 1				Comp	ared to single chanr	nel LC
MS Signal				•				
MS Signal								
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MS Signal /anquish Duo H Gain an average of	PLC and UHPL	<b>.C Systems for Ta</b> y by maximizing dete	<b>Indem LC d</b> octor usage w	or LC-MS rith offline column	reconditioning			
MS Signal <b>/anquish Duo H</b> Gain an average of Jow Path 1 Analytic	IPLC and UHPL 40% in productivit	C Systems for Ta y by maximizing dete cal Gradient App	<b>Indem LC d</b> octor usage w	or LC-MS vith offline column Analytical Gradient	reconditioning Analytical Gradien	t	Time continue	
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## Vanquish Duo HPLC and UHPLC Systems

#### Vanquish Duo for Dual LC

Double your throughput, deepen your sample knowledge, and better utilize your bench space with the Thermo Scientific<sup>™</sup> Vanquish<sup>™</sup> Duo for Dual LC workflow. Two completely independent flow paths for maximum productivity.



Learn more

#### Vanquish Duo for Dual LC-MS

Double the throughput of your LC-MS application with the Vanquish Duo for Dual LC-MS. Run up to two applications simultaneously with a multi-channel LC while benefiting from the robustness, performance, and ease-of-use inherent of the Vanquish LC platform.



#### Vanquish Duo for Tandem LC or LC-MS

Gain an average of 40% in throughput depending on method conditions with the Vanquish Duo for Tandem LC or LC-MS workflow.\* Maximize the utilization of your optical detector or mass spectrometer.\*

\* TN72203: Tandem UHPLC operation for high-throughput LC-MS peptide mapping analyses.



#### Vanquish Duo for Inverse Gradient LC

Improve your lab's quantification capabilities with the Vanquish Duo for Inverse Gradient, employing the unique and universal Charged Aerosol Detection, to quantify all non-volatile and semi-volatile compounds even when no individual reference standard is available.





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