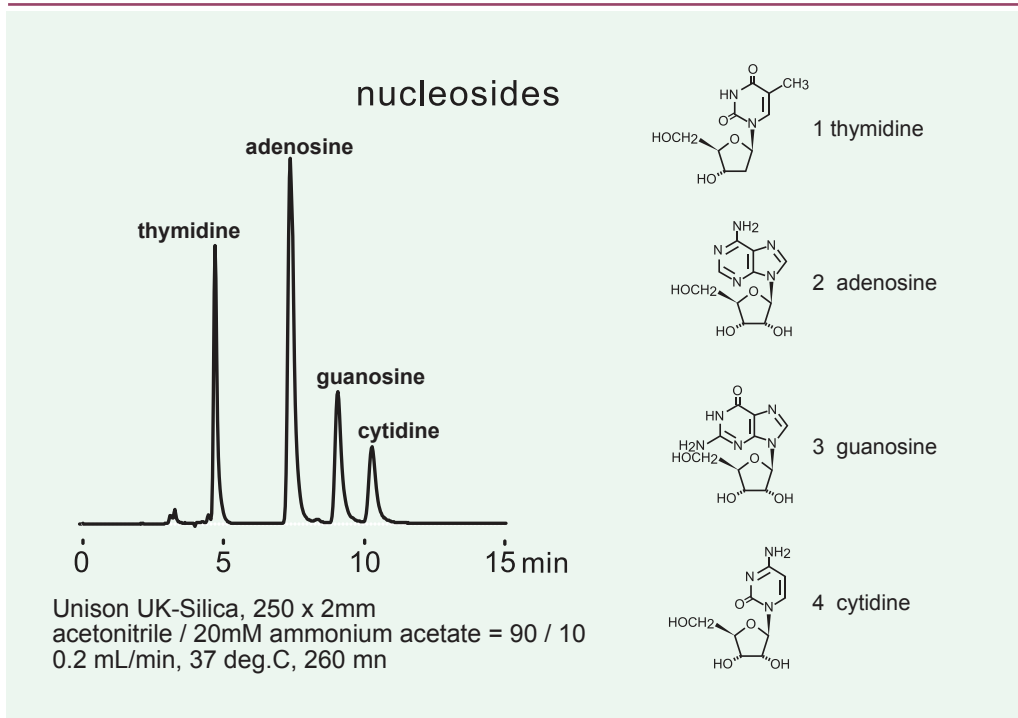


● Normal phase retention of polar compounds



Unison has numerous stationary phases including C18, C8, phenyl, silica, and aminopropyl.

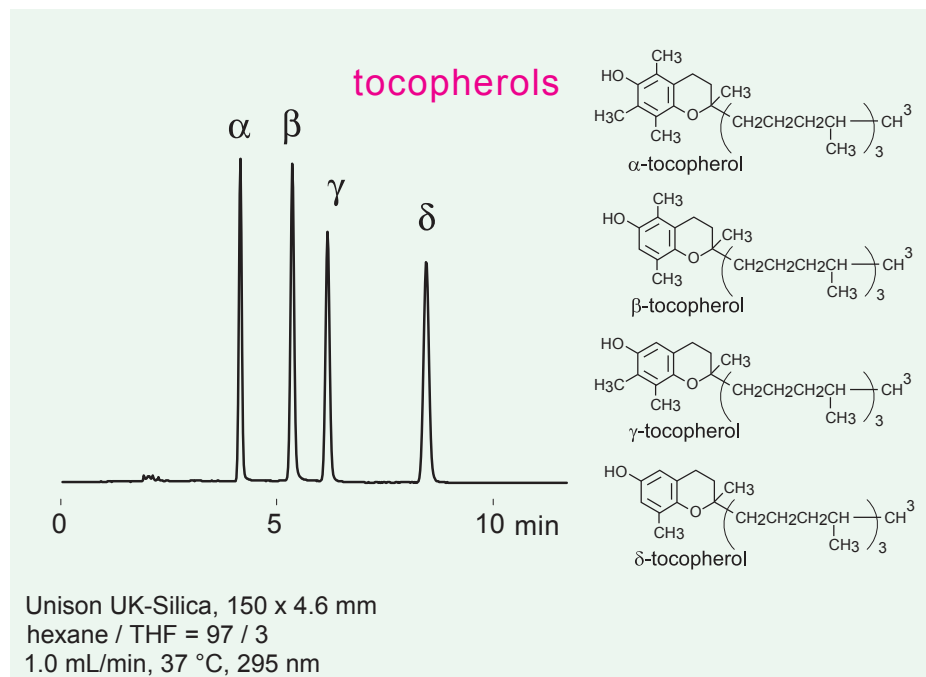
For normal phase separation, Unison offers silica and aminopropyl columns.

Offering dramatically higher resolution than conventional 5µm columns, the Unison UK series provides authoritative normal phase separation with silica stationary phase.

In addition to normal phase mode, Unison UK-Silica is optimal for the separation of high-polarity compounds under aqueous normal phase conditions.

The nucleotide separation example above provides a demonstration of Unison UK-Silica's power. It shows the separation of an eluent containing a high concentration of acetonitrile with an aqueous solution of ammonium acetate added. In this manner, UK-Silica is excellent for LC-MS and the separation of highly polar compounds when retention on a traditional ODS phase is poor.

● Improved recognition for isomers

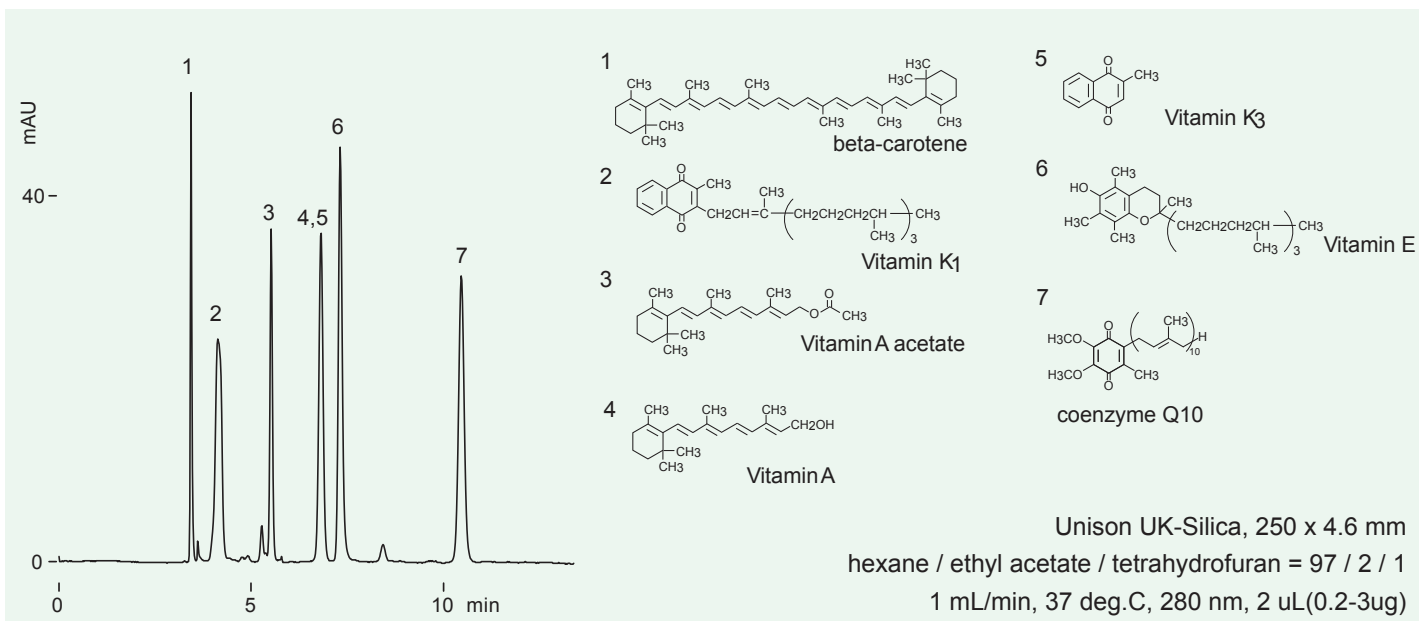


The Unison series of columns provides authoritative results in normal phase separation using its silica stationary phase. This high level of performance is in addition to its extraordinary resolution, higher than conventional 5µm columns.

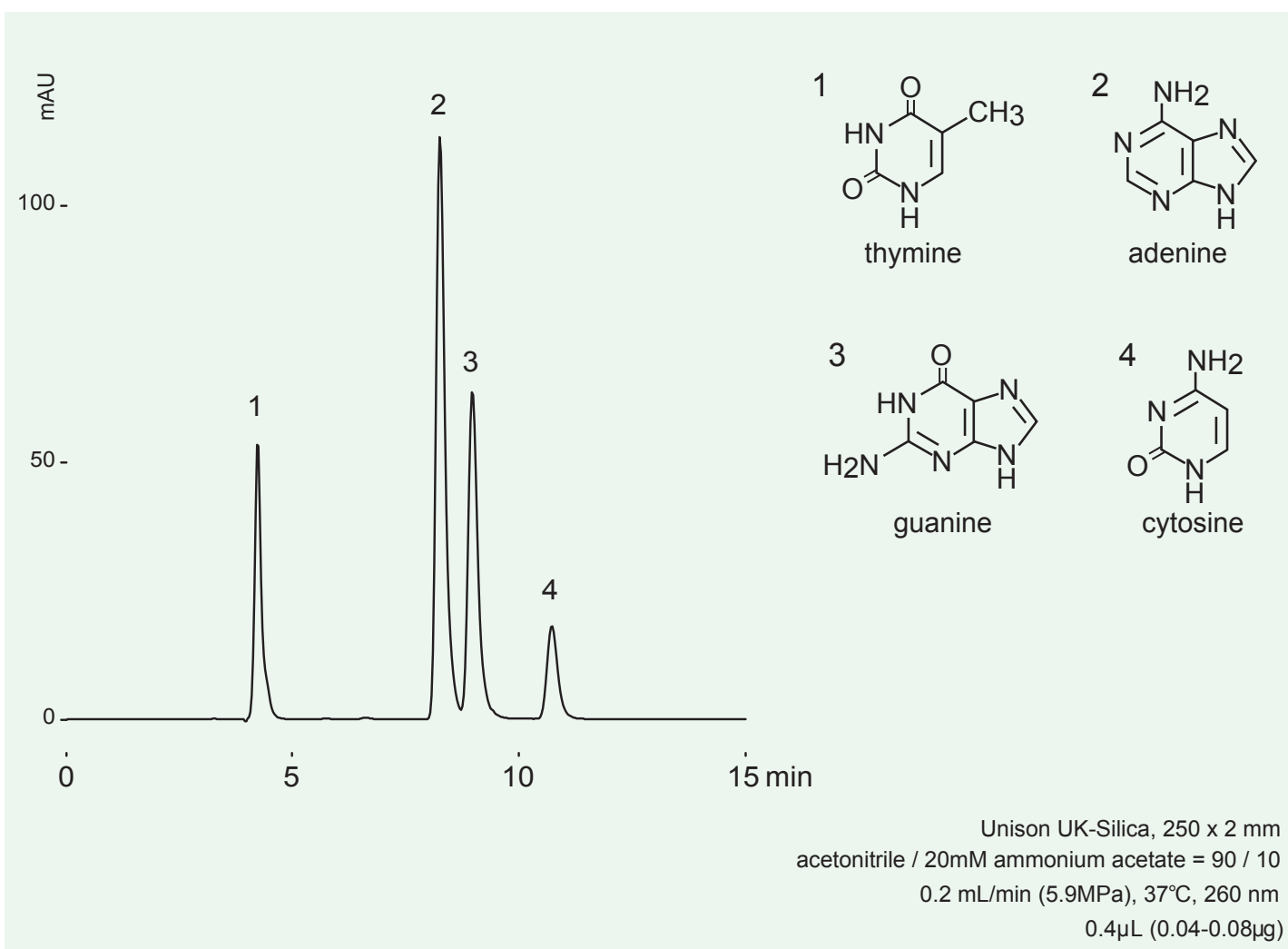
The example to the left shows a normal phase separation of the tocopherol isomers. Beta- and gamma- tocopherol are positional isomers, compounds characterized as difficult to separate. Unison UK-Silica 150 x 4.6mm, however, provides excellent separation in under 10 minutes. By using the 3µm silica Unison column, you can improve your efficiency and analysis speed compared with conventional 5µm, 25cm columns.

The Unison UK-Silica offers optimal solutions for specialty research areas including natural chemistry and organic combinatorial chemistry.

● Fat soluble vitamins



● Nucleic acid bases



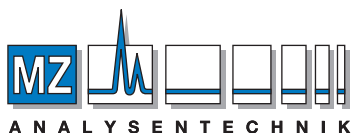
● Ordering Information for Unison UK-Silica Columns

3µm Column, Pressure limits of up to: 50MPa, 500 bar, 7,500 psi						3µm, 100MPa, 1000 bar, 15,000 psi	
Column Length	ID					Column Length	ID
	1.0 mm	1.5 mm	2.0 mm	3.0 mm	4.6 mm		2.0 mm
10			UKS20T	UKS30T	UKS00T	10	
20			UKS29T	UKS39T	UKS09T	20	
30	UKS11T	UKS71T	UKS21T	UKS31T	UKS01T	30	UKS21U
50	UKS12T	UKS72T	UKS22T	UKS32T	UKS02T	50	UKS22U
75	UKS13T	UKS73T	UKS23T	UKS33T	UKS03T	75	UKS23U
100	UKS14T	UKS74T	UKS24T	UKS34T	UKS04T	100	UKS24U
150	UKS15T	UKS75T	UKS25T	UKS35T	UKS05T	150	UKS25U
250	UKS16T	UKS76T	UKS26T	UKS36T	UKS06T	250	UKS26U

3µm Column, Pressure limits of up to: 20MPa, 250 bar, 3,000 psi					
Column Length	Internal Diameter				
	1.0 mm	1.5 mm	2.0 mm	3.0 mm	4.6 mm
10			UKS20	UKS30	UKS00
20			UKS29	UKS39	UKS09
30	UKS11	UKS71	UKS21/HT/UP	UKS31	UKS01
50	UKS12	UKS72	UKS22/HT/UP	UKS32	UKS02
75	UKS13	UKS73	UKS23/HT/UP	UKS33	UKS03
100	UKS14	UKS74	UKS24/HT/UP	UKS34	UKS04
150	UKS15	UKS75	UKS25/HT/UP	UKS35	UKS05
250	UKS16	UKS76	UKS26/HT/UP	UKS36	UKS06
500					UKS07

Guard Column System for Unison UK-Silica					
	Internal Diameter				
		1.5 mm	2.0 mm	3.0 mm	4.6 mm
Guard Holder	GCH01S	GCH01S	GCH01S	GCH01S	GCH01S
Guard Cartridge (Set of 3)	GCUKSC	GCUKSC	GCUKSS	GCUKSS	GCUKSS

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