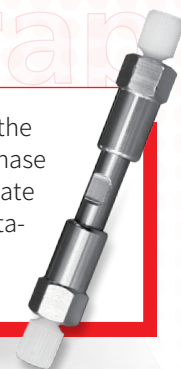


ShimNex Ghost Trap Column



Ghost peaks are a common issue in liquid chromatography (LC) analysis. They may originate from the mobile phase, LC system, chromatographic columns and other sources, impurities in the mobile phase are the most frequent cause. For this reason, ghost peaks tend to occur more readily when phosphate buffers or acidic additives are used in the mobile phase, interfering with the separation and quantitation of trace substances. Such interference is ubiquitous. The ShimNex Ghost Peak Trap Cartridge provides an effective solution to this problem.

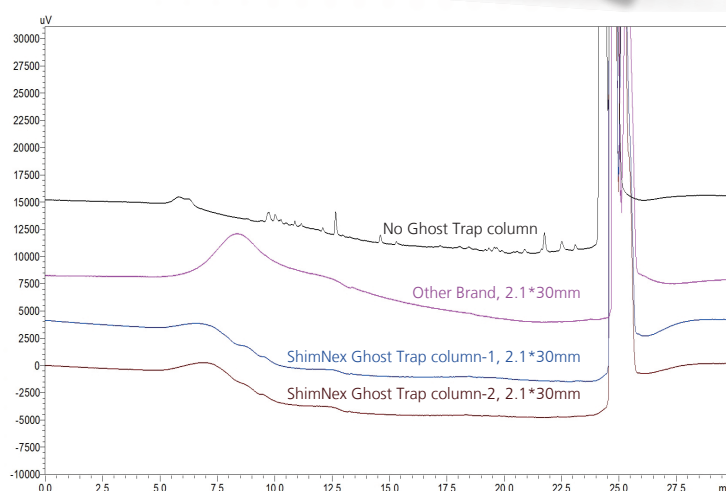


Effectively Remove Ghost Peaks - Phosphate Buffer System

Column: ShimNex CS C18 (5 μ m, 4.6 $\times$ 150 mm)
 Flow Rate: 1 mL/min
 Temperature: 30 $^{\circ}$ C
 Detection: PDA, 220 nm
 Mobile Phase: A: 50 mM NaH₂PO₄-Na₂HPO₄ (pH6.8)
 B: ACN

Elution Gradient:

Time(Min)	0	20	20.5	30
A (%)	95	5	95	95
B (%)	5	95	5	5

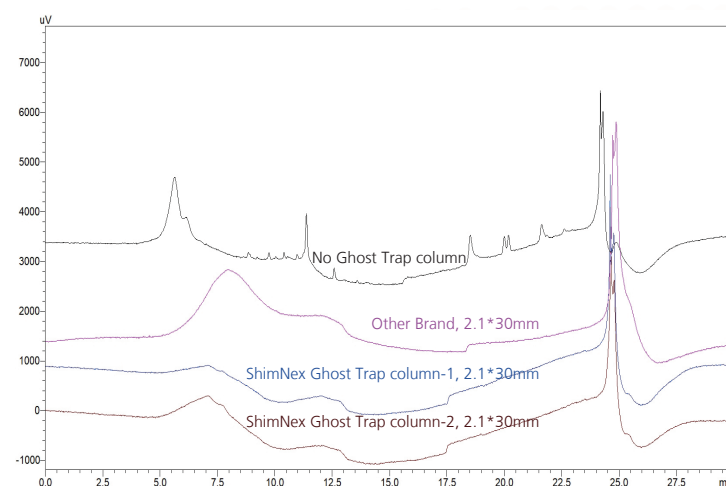


Effectively Remove Ghost Peaks - Acetate Buffer System

Column: ShimNex CS C18 (5 μ m, 4.6 $\times$ 150 mm)
 Flow Rate: 1 mL/min
 Temperature: 30 $^{\circ}$ C
 Detection: PDA, 250 nm
 Mobile Phase: A: 20 mM Ammonium Acetate
 B: ACN

Elution Gradient:

Time(Min)	0	20	20.5	30
A (%)	95	5	95	95
B (%)	5	95	5	5



Ordering Information

PN	Description	PN	Description
380-01259-92	ShimNex Ghost Trap 7.6x30 (2 cartridges)	380-01259-97	ShimNex Ghost Trap UHPLC 4.6x50
380-01259-94	ShimNex Ghost Trap 7.6x30 (holder set and 1 cartridge)	380-01259-98	ShimNex Ghost Trap Holder, 4.0x20
380-01259-93	ShimNex Ghost Trap 4.0x20 (2 cartridges)	380-01259-99	ShimNex Ghost Trap Holder, 7.6x30
380-01259-95	ShimNex Ghost Trap 4.0x20 (1 holder set and 1 cartridges)	380-01259-00	ShimNex Ghost trap column connecting tube, 1/16*0.18*100
380-01259-96	ShimNex Ghost Trap UHPLC 2.1x30		

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