

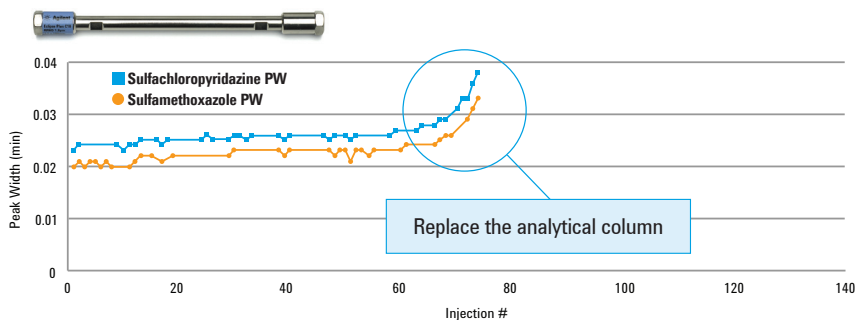
# GUARD YOUR UHPLC COLUMNS WITHOUT SACRIFICING PERFORMANCE



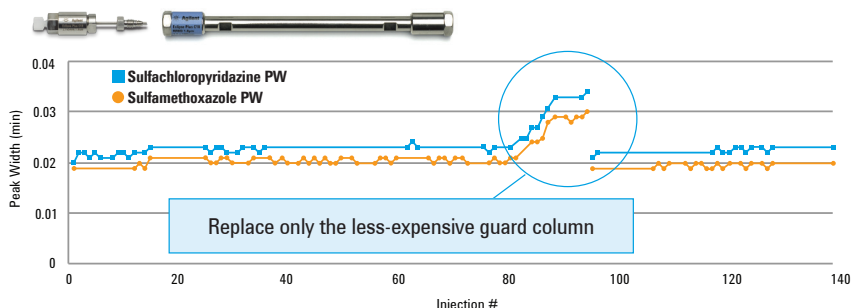
## AGILENT FAST GUARDS FOR SUB-2 µm UHPLC

Particulate matter in biological, food, environmental and other “dirty” samples can cause premature wear on your valuable UHPLC columns. Fast Guards for sub-2 µm UHPLC extend the life of your analytical columns – saving your lab money *while maintaining fast LC performance*. These cost-effective guard columns withstand high UHPLC pressures, and install quickly with no special tools.

► **Without a guard column:** Analytical column failure after just 80 injections.

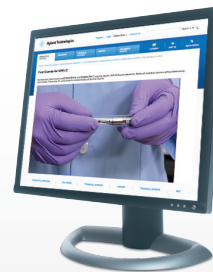


► **With a guard column:** The guard column fails after 80 injections – preserving the analytical column.



### Conditions

Mobile phase: A: 0.1% Formic acid in water  
B: Acetonitrile  
Flow rate: 0.65 mL/min  
Gradient: Hold 10% B for 2 min, ramp to 45% B in 2 min  
Injection volume: 10 µL  
Temperature: 23 °C  
Detection: Sig = 254, 4 nm; Ref = Off  
Instrument: Agilent 1200 Series RRLC  
Sample preparation: 100 mL Water + 0.333 mL simlac + 1 mL 0.1 mg/mL sulfachloropyridazine and sulfamethoxazole



Watch our video demo to see how easy it is to install Agilent Fast Guards:  
[agilent.com/chem/fastguards](http://agilent.com/chem/fastguards)

To learn more about Agilent Fast Guards for UHPLC, visit [agilent.com/chem/fastguardsuhplc](http://agilent.com/chem/fastguardsuhplc)

### Fast Guards for ZORBAX RRHD 1.8 µm (1200 bar) and ZORBAX RRHT 1.8 µm (600 bar) columns

Description	Size (mm)	Particle size (µm)	Eclipse Plus C18	Eclipse XDB-C18	SB-C18	SB-C8	Eclipse Plus Phenyl-Hexyl
UHPLC Guard, 1200 bar, 3/pk	2.1 x 5	1.8	821725-901	821725-903	821725-902	821725-904	821725-932
UHPLC Guard, 1200 bar, 3/pk	3.0 x 5	1.8	823750-901	823750-903	823750-902	823750-904	823750-932
UHPLC Guard, 600 bar, 3/pk	4.6 x 5	1.8	820750-901	820750-903	820750-902	820750-904	---

Tip: Replace your guard column when the plate number, pressure, or resolution changes by more than 10%.

This information is subject to change without notice.

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Printed in the USA, September 15, 2017  
5991-2857EN



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