

Protecting and Enhancing Sensitivity with the Luna™ 3 μm Polar Pesticides Using SecurityGuard™ ULTRA Cartridge

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Overview

This application demonstrates that SecurityGuard ULTRA, the universal HPLC guard cartridge system, protects your Luna Omega Polar Pesticides column. The holder conveniently finger-tightens directly into your Luna Omega Polar Pesticides column endfittings, retaining contaminants on a disposable cartridge. SecurityGuard ULTRA eliminates contaminants and clogged frits that extend column lifetime. The chromatogram presented here shows sensitivity for polar pesticides due to the low dead volume and peak focusing effect of SecurityGuard ULTRA.

LC Conditions

Column: Luna 3 μm Polar Pesticides

Dimension: 100 x 2.1 mm

Part No.: OOD-4798-AN

Guard Column: SecurityGuard ULTRA for Polar Pesticides: [AJ0-8789](#)

Mobile Phase: A: 0.3 % Formic Acid in Water

B: 0.3 % Formic Acid in Acetonitrile

Gradient:	Time (min)	%B
	0	2
	0.5	2
	6	20
	7	90
	9	90
	9.1	2
	12	2

Flow Rate: 0.3 mL/min

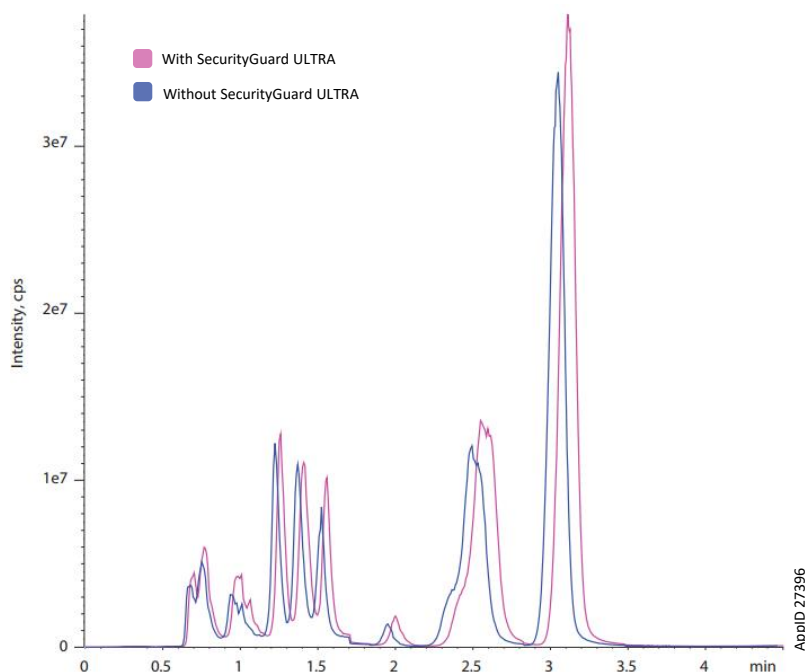
Injection Volume: 20 μL

Temperature: 40 °C

Detection: MS/MS

Detector: SCIEX® 7500

Sample: Polar Pesticides Mix



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Disclaimer

Comparative separations may not be representative of all applications.

SecurityGuard is patented by Phenomenex. U.S. Patent No. 6,162,362

CAUTION: this patent only applies to the analytical-sized guard cartridge holder, and does not apply to SemiPrep, PREP, or ULTRA holders, or to any cartridges.

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