SIGMA-ALDRICH®

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# Product Information

# Optimize Technologies Inc. OPTI-GUARD®

## OPTI-GUARD 1 mm

OPTI-GUARD 1 mm guard columns are the perfect choice for effective column protection of any silica-based analytical column without measurable impact on your chromatography.

OPTI-GUARD utilizes the patented floating tube-stem design, which allows automatic adjustment of the tube-stop depth for perfect ZDV connection into any column port.

OPTI-GUARD mm packs the power of a guard column into an auto-adjusting design that is no larger than a typical HPLC fitting.

A patented auto-adjusting mechanism ensures zero-dead-volume connection into any analytical column.

E001079

**A variety of chemistries available, all selected to provide effective phase protection with minimal influence on chromatography.**

### Convenience

The OPTI-GUARD guard column is as easy to install as a finger-tight fitting. It reduces the number of connections required to connect a traditional guard column to the column, and is compatible with any silica-based analytical column. OPTI-GUARD 1 mm is completely disposable.

### Performance

OPTI-GUARD 1 mm is designed to offer low-impact column protection, delivering sacrificial stationary phase without a large impact on analytical column efficiency. No additional tubing is required to connect OPTI-GUARD 1 mm -- in fact, the only extra volume added is that of the packed bed and frits!

## OPTI-GUARD 3 mm

For greater capacity and more rugged protection, OPTI-GUARD 3 mm guard columns offer larger bed volume and higher efficiency in a cartridge-based design.

### Same auto adjust/ZDV design in a higher capacity format.

E001080

E001081

### Performance

For greater capacity and more rugged protection, OPTI-GUARD 3 mm guard columns offer larger bed volume and higher efficiency packing in a cartridge-based design.

## Ordering Information

| Description | Qty. | Cat. No. |
|---|---|---|
| **OPTI-GUARD 1 mm Guard Column** | | |
| C18 (violet label) | 5 | **51177-U** |
| Silica (orange label) | 5 | **51178-U** |
| CN, (blue label) | 5 | **51179-U** |
| Anion Exchange, (black label) | 5 | **51180-U** |
| Cation Exchange (white label) | 5 | **51181-U** |
| Biocompatible C18 | 5 | **51183-U** |
| C8 | 5 | **51184-U** |
| Phenyl | 5 | **51185-U** |
| Amino $NH_2$ | 5 | **51187-U** |
| **OPTI-GUARD 3 mm Cartridge** | | |
| C18 | 3 | **51191-U** |
| C8 | 3 | **51193-U** |
| Amino $NH_2$ | 3 | **51194-U** |
| Silica | 3 | **51196-U** |
| **OPTI-GUARD 3 mm Holder** | | |
| PEEK/SS | 1 | **51188-U** |

Note: cartridges not included with holder

**Trademark**
OPTI-GUARD – **Optimize Technologies, Inc**

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*Accelerating Customers' Success through Innovation and Leadership in **Life Science, High Technology** and **Service***

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