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.

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

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

**Conditions**
- **Mobile phase:** A: 0.1% Formic acid in water
- **B:** Acetonitrile
- **Flow rate:** 0.95 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 similac + 1 mL 0.1 mg/mL sulfachloropyridazine and sulfamethoxazole

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

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

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