

restek **innovation!**

Viva silica has a narrow distribution around the mean pore size, permitting a larger portion of the silica surface to play a role in the separation of large molecules and biomolecules.



Physical Characteristics:

particle size: 3µm or 5µm, spherical
pore size: 300Å
carbon load: 9%
endcap: yes
pH range: 2.5 to 8
temperature limit: 80°C



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|----------------|--------|
| oxytocin | .746 |
| peptides | .745 |
| proteins | .746 |

Viva Wide Pore Columns: 3µm or 5µm particles; 300Å pore size

- Excellent for separating peptides or proteins.
- Rugged, spherical particles, with 300Å pore size.
- High proportion of pore/surface area available to large molecules.

Viva columns are based on a wide pore material we designed for optimal large molecule separations. In developing Viva silica, we found that although many commercial wide-pore silicas meet the standard 300Å mean pore size, most have very broad distributions about this mean, with a significant portion of their pore volume falling below 150Å. This means a large portion of the surface area is unavailable to larger molecules. Viva columns have a narrow distribution around the mean pore size, permitting a larger portion of the silica surface to play a role in the separation.

Viva C18 Columns (USP L1)

Chromatographic Properties:

Highly base-deactivated wide pore packing that exhibits excellent peak shape for a wide range of compounds. Excellent general-purpose column for analyzing large molecules and biomolecules.

| Length | 1.0mm ID | | 2.1mm ID | | 3.2mm ID | | 4.6mm ID | |
|--------------------|----------|-------|----------|-------|----------|-------|----------|-------|
| | cat.# | price | cat.# | price | cat.# | price | cat.# | price |
| 3µm Columns | | | | | | | | |
| 30mm | 9514331 | | 9514332 | | 9514333 | | 9514335 | |
| 50mm | 9514351 | | 9514352 | | 9514353 | | 9514355 | |
| 100mm | 9514311 | | 9514312 | | 9514313 | | 9514315 | |
| 150mm | 9514361 | | 9514362 | | 9514363 | | 9514365 | |
| 5µm Columns | | | | | | | | |
| 30mm | 9514531 | | 9514532 | | 9514533 | | 9514535 | |
| 50mm | 9514551 | | 9514552 | | 9514553 | | 9514555 | |
| 100mm | 9514511 | | 9514512 | | 9514513 | | 9514515 | |
| 150mm | 9514561 | | 9514562 | | 9514563 | | 9514565 | |
| 200mm | 9514521 | | 9514522 | | 9514523 | | 9514525 | |
| 250mm | 9514571 | | 9514572 | | 9514573 | | 9514575 | |

3.0mm ID available on request for 3µm particle applications above 4,000 psi (275 Bar).

Viva C18 Guard Cartridges

| Guard Cartridges | 3-pk. (10 x 2.1mm) | 3-pk. (10 x 4.0mm) | 2-pk. (20 x 2.1mm) | 2-pk. (20 x 4.0mm) | price |
|--------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-------|
| Viva C18 Guard Cartridge | 951450212 | 951450210 | 951450222 | 951450220 | |

Viva C18 HPLC Prep Columns

| Length | 10mm ID | | 21.2mm ID | | 30mm ID | | 50mm ID | |
|--------------------|---------|-------|-----------|-------|---------|-------|---------|-------|
| | cat.# | price | cat.# | price | cat.# | price | cat.# | price |
| 5µm Columns | | | | | | | | |
| 50mm | 9514557 | | 9514558 | | 9514559 | | 9514550 | |
| 100mm | 9514517 | | 9514518 | | 9514519 | | 9514510 | |
| 150mm | 9514567 | | 9514568 | | 9514569 | | 9514560 | |
| 250mm | 9514577 | | 9514578 | | 9514579 | | 9514570 | |

also available

Capillary HPLC Columns
www.restek.com

- High quality, Restek manufactured packing materials.
- Superior packing technology ensures rugged, reproducible columns.
- Wide range of phases and dimensions available—please inquire.