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Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
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Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
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Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

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Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
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Оренбург (3532)37-68-04
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Псков (8112)59-10-37

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Сургут (3462)77-98-35
Тамбов (4752)50-40-97

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Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

<https://supelco.nt-rt.ru> || suz@nt-rt.ru

Хиральные колонки Astec CYCLOBOND Chiral



Astec CYCLOBOND™

CYCLODEXTRIN STATIONARY PHASES FOR CHIRAL SEPARATIONS AND HIGHLY SELECTIVE ACHIRAL SEPARATIONS

CYCLOBOND is the name given to Astec technology for bonding cyclodextrins to a high purity silica gel through a stable ether linkage. Introduced in 1983, this patented stationary phase retains ability to form inclusion complexes, and allows for numerous chemical separations by selectively including into the cyclodextrin cavity, from solution, a wide variety of organic molecules. **CYCLOBOND I** are β -cyclodextrin bonded and **CYCLOBOND II** are γ -cyclodextrin bonded.

CYCLOBOND I 2000 series of HPLC columns is specially formulated to meet today's stringent requirements for analysis in the pharmaceutical industry, and for small analytes of general interest in the chemical and environmental areas. Astec has focused on the need to accurately and reproducibly separate enantiomers. The result is a high performance range of chiral separation phases with guaranteed

batch to batch reproducibility, greater stability and improved selectivity and resolution. Based on the original CYCLOBOND I (β -cyclodextrin) columns, the CYCLOBOND I 2000 series are second-generation products. The native β -cyclodextrin and eight β -cyclodextrin derivatives are in the CYCLOBOND I 2000 series.

CYCLOBOND II series columns are excellent chiral selectors for multi-ring structures such as those based on anthracene, chrysene or pyrene. These are γ -cyclodextrin bonded phases, and consist of 8 glucopyranose units arranged in the same truncated cone shape. Applications include steroids, porphorins, FMOc amino acids. Applications for CYCLOBOND II AC, an acetylated derivative, include naphthylethylamine, steroids, and sterols.

ORDERING INFORMATION

CYCLOBOND I 2000

Product No. Description

[20018AST](#) **Astec® CYCLOBOND™ I 2000 Chiral HPLC Column** 5 μ m particle size, L \times I.D. 10 cm \times 2.1 mm

[20019AST](#) **Astec® CYCLOBOND™ I 2000 Chiral HPLC Column** 5 μ m particle size, L \times I.D. 15 cm \times 2.1 mm

[20034AST](#) **Astec® CYCLOBOND™ I 2000 Chiral HPLC Column** 5 μ m particle size, L \times I.D. 25 cm \times 10 mm

[20024AST](#) **Astec® CYCLOBOND™ I 2000 Chiral HPLC Column** 5 μ m particle size, L \times I.D. 25 cm \times 4.6 mm

[21150AST](#) **Supelguard™ Guard Cartridge Holder** Stand-Alone (Swivel-type), for use with Supelguard cartridges (2 cm L. \times 2 to 4.6 mm I.D.)

CYCLOBOND I 2000 AC

Product No. Description

[20123AST](#) **Astec® CYCLOBOND™ I 2000 AC Chiral HPLC Column** 5 μ m particle size, L \times I.D. 15 cm \times 4.6 mm

[20124AST](#) **Astec® CYCLOBOND™ I 2000 AC Chiral HPLC Column** 5 μ m particle size, L \times I.D. 25 cm \times 4.6 mm

[21150AST](#) **Supelguard™ Guard Cartridge Holder** Stand-Alone (Swivel-type), for use with Supelguard cartridges (2 cm L. \times 2 to 4.6 mm I.D.)

CYCLOBOND I 2000 SP

Product No. Description

[20224AST](#) **Astec® CYCLOBOND™ I 2000 SP Chiral HPLC Column** 5 μ m particle size, L \times I.D. 25 cm \times 4.6 mm

[21150AST](#) **Supelguard™ Guard Cartridge Holder** Stand-Alone (Swivel-type), for use with Supelguard cartridges (2 cm L. \times 2 to 4.6 mm I.D.)

CYCLOBOND I 2000 RSP

Product No. Description

[21103AST](#) **Astec® CYCLOBOND™ I 2000 RSP Chiral HPLC Guard** Cartridge, 5 μ m particle size, L \times I.D. 2 cm \times 4 mm

[20324AST](#) **Astec® CYCLOBOND™ I 2000 RSP Chiral HPLC Column** 5 μ m particle size, L \times I.D. 25 cm \times 4.6 mm

[21150AST](#) **Supelguard™ Guard Cartridge Holder** Stand-Alone (Swivel-type), for use with Supelguard cartridges (2 cm L. \times 2 to 4.6 mm I.D.)

CYCLOBOND I 2000 HP-RSP

Product No. Description

[24023AST](#) **Astec® CYCLOBOND™ I 2000 HP-RSP Chiral HPLC Column** 5 μ m particle

| Product No. | Description |
|--------------------------|---|
| | size, L × I.D. 15 cm × 4.6 mm |
| 24100AST | Astec® CYCLOBOND™ I 2000 HP-RSP Chiral HPLC GuardCartridge , 5 µm particle size, L × I.D. 2 cm × 4 mm |
| 24024AST | Astec® CYCLOBOND™ I 2000 HP-RSP Chiral HPLC Column 5 µm particle size, L × I.D. 25 cm × 4.6 mm |
| 21150AST | Supelguard™ Guard Cartridge HolderStand-Alone (Swivel-type), for use with Supelguard cartridges (2 cm L. x 2 to 4.6 mm I.D.) |

CYCLOBOND I 2000 DMP

| Product No. | Description |
|--------------------------|---|
| 20722AST | Astec® CYCLOBOND™ I 2000 DMP Chiral HPLC Column 5 µm particle size, L × I.D. 10 cm × 4.6 mm |
| 20734AST | Astec® CYCLOBOND™ I 2000 DMP Chiral HPLC Column 5 µm particle size, L × I.D. 25 cm × 10 mm |
| 20744AST | Astec® CYCLOBOND™ I 2000 DMP Chiral HPLC Column 5 µm particle size, L × I.D. 25 cm × 21.2 mm |
| 20724AST | Astec® CYCLOBOND™ I 2000 DMP Chiral HPLC Column 5 µm particle size, L × I.D. 25 cm × 4.6 mm |
| 21150AST | Supelguard™ Guard Cartridge HolderStand-Alone (Swivel-type), for use with Supelguard cartridges (2 cm L. x 2 to 4.6 mm I.D.) |

CYCLOBOND I 2000 DM

| Product No. | Description |
|--------------------------|---|
| 21150AST | Supelguard™ Guard Cartridge HolderStand-Alone (Swivel-type), for use with Supelguard cartridges (2 cm L. x 2 to 4.6 mm I.D.) |

CYCLOBOND I 2000 DNP

| Product No. | Description |
|--------------------------|---|
| 21150AST | Supelguard™ Guard Cartridge HolderStand-Alone (Swivel-type), for use with Supelguard cartridges (2 cm L. x 2 to 4.6 mm I.D.) |

CYCLOBOND II

| Product No. | Description |
|--------------------------|---|
| 46023AST | Astec® CYCLOBOND™ II Chiral HPLC Column 5 µm particle size, L × I.D. 15 cm × 4.6 mm |
| 41020AST | Astec® CYCLOBOND™ II Chiral HPLC Column 5 µm particle size, L × I.D. 25 cm × 4.6 mm |
| 21150AST | Supelguard™ Guard Cartridge HolderStand-Alone (Swivel-type), for use with Supelguard cartridges (2 cm L. x 2 to 4.6 mm I.D.) |

CYCLOBOND II AC

| Product No. | Description |
|--------------------------|---|
| 21150AST | Supelguard™ Guard Cartridge HolderStand-Alone (Swivel-type), for use with Supelguard cartridges (2 cm L. x 2 to 4.6 mm I.D.) |

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