

| REFERENCE | PHASE                  | LENGTH<br>(mm) | ID<br>(mm) | PARTICLE<br>SIZE (µ) | TYPE                   |
|-----------|------------------------|----------------|------------|----------------------|------------------------|
| 30781     | CHIRALPAK® AGP (2-pkg) | 10             | 3          | 5                    | Guard Cartridges (x 2) |
| 30791     | CHIRALPAK® AGP (2-pkg) | 10             | 2          | 5                    | Guard Cartridges (x 2) |
| 30711     | CHIRALPAK® AGP (2-pkg) | 10             | 4          | 5                    | Guard Cartridges (x 2) |

**CHIRALPAK® CBH**

|       |                        |     |    |   |                        |
|-------|------------------------|-----|----|---|------------------------|
| 33713 | CHIRALPAK® CBH         | 100 | 4  | 5 | Analytical             |
| 33714 | CHIRALPAK® CBH         | 150 | 4  | 5 | Analytical             |
| 33712 | CHIRALPAK® CBH         | 50  | 4  | 5 | Analytical             |
| 33783 | CHIRALPAK® CBH         | 100 | 3  | 5 | Analytical             |
| 33784 | CHIRALPAK® CBH         | 150 | 3  | 5 | Analytical             |
| 33782 | CHIRALPAK® CBH         | 50  | 3  | 5 | Analytical             |
| 33793 | CHIRALPAK® CBH         | 100 | 2  | 5 | Analytical             |
| 33794 | CHIRALPAK® CBH         | 150 | 2  | 5 | Analytical             |
| 33792 | CHIRALPAK® CBH         | 50  | 2  | 5 | Analytical             |
| 33733 | CHIRALPAK® CBH         | 100 | 10 | 5 | Semi-Prep              |
| 33734 | CHIRALPAK® CBH         | 150 | 10 | 5 | Semi-Prep              |
| 33781 | CHIRALPAK® CBH (2-pkg) | 10  | 3  | 5 | Guard Cartridges (x 2) |
| 33791 | CHIRALPAK® CBH (2-pkg) | 10  | 2  | 5 | Guard Cartridges (x 2) |
| 33711 | CHIRALPAK® CBH (2-pkg) | 10  | 4  | 5 | Guard Cartridges (x 2) |

**CHIRALPAK® HSA**

|       |                        |     |    |   |                        |
|-------|------------------------|-----|----|---|------------------------|
| 34713 | CHIRALPAK® HSA         | 100 | 4  | 5 | Analytical             |
| 34714 | CHIRALPAK® HSA         | 150 | 4  | 5 | Analytical             |
| 34712 | CHIRALPAK® HSA         | 50  | 4  | 5 | Analytical             |
| 34783 | CHIRALPAK® HSA         | 100 | 3  | 5 | Analytical             |
| 34784 | CHIRALPAK® HSA         | 150 | 3  | 5 | Analytical             |
| 34782 | CHIRALPAK® HSA         | 50  | 3  | 5 | Analytical             |
| 34793 | CHIRALPAK® HSA         | 100 | 2  | 5 | Analytical             |
| 34794 | CHIRALPAK® HSA         | 150 | 2  | 5 | Analytical             |
| 34792 | CHIRALPAK® HSA         | 50  | 2  | 5 | Analytical             |
| 34733 | CHIRALPAK® HSA         | 100 | 10 | 5 | Semi-Prep              |
| 34734 | CHIRALPAK® HSA         | 150 | 10 | 5 | Semi-Prep              |
| 34781 | CHIRALPAK® HSA (2-pkg) | 10  | 3  | 5 | Guard Cartridges (x 2) |
| 34791 | CHIRALPAK® HSA (2-pkg) | 10  | 2  | 5 | Guard Cartridges (x 2) |
| 34711 | CHIRALPAK® HSA (2-pkg) | 10  | 4  | 5 | Guard Cartridges (x 2) |

**CHIRALPAK® BSA**

|       |                |     |   |   |                        |
|-------|----------------|-----|---|---|------------------------|
| 35712 | CHIRALPAK® BSA | 50  | 4 | 5 | Analytical             |
| 35714 | CHIRALPAK® BSA | 150 | 4 | 5 | Analytical             |
| 35782 | CHIRALPAK® BSA | 50  | 3 | 5 | Analytical             |
| 35792 | CHIRALPAK® BSA | 50  | 2 | 5 | Analytical             |
| 35781 | CHIRALPAK® BSA | 10  | 3 | 5 | Guard Cartridges (x 2) |
| 35791 | CHIRALPAK® BSA | 10  | 2 | 5 | Guard Cartridges (x 2) |
| 35711 | CHIRALPAK® BSA | 10  | 4 | 5 | Guard Cartridges (x 2) |

**CHIRALPAK® DSA**

|       |                |     |   |   |                        |
|-------|----------------|-----|---|---|------------------------|
| 36712 | CHIRALPAK® DSA | 50  | 4 | 5 | Analytical             |
| 36714 | CHIRALPAK® DSA | 150 | 4 | 5 | Analytical             |
| 36782 | CHIRALPAK® DSA | 50  | 3 | 5 | Analytical             |
| 36792 | CHIRALPAK® DSA | 50  | 2 | 5 | Analytical             |
| 36781 | CHIRALPAK® DSA | 10  | 3 | 5 | Guard Cartridges (x 2) |

| REFERENCE | PHASE          | LENGTH<br>(mm) | ID<br>(mm) | PARTICLE<br>SIZE (µ) | TYPE                   |
|-----------|----------------|----------------|------------|----------------------|------------------------|
| 36791     | CHIRALPAK® DSA | 10             | 2          | 5                    | Guard Cartridges (x 2) |
| 36711     | CHIRALPAK® DSA | 10             | 4          | 5                    | Guard Cartridges (x 2) |

**CHIRALPAK® MSA**

|       |                |    |   |   |            |
|-------|----------------|----|---|---|------------|
| 37712 | CHIRALPAK® MSA | 50 | 4 | 5 | Analytical |
| 37782 | CHIRALPAK® MSA | 50 | 3 | 5 | Analytical |

**CHIRALPAK® PSA**

|       |                |    |   |   |            |
|-------|----------------|----|---|---|------------|
| 43712 | CHIRALPAK® PSA | 50 | 4 | 5 | Analytical |
| 43782 | CHIRALPAK® PSA | 50 | 3 | 5 | Analytical |

**CHIRALPAK® RSA**

|       |                |     |   |   |                        |
|-------|----------------|-----|---|---|------------------------|
| 38712 | CHIRALPAK® RSA | 50  | 4 | 5 | Analytical             |
| 38714 | CHIRALPAK® RSA | 150 | 4 | 5 | Analytical             |
| 38782 | CHIRALPAK® RSA | 50  | 3 | 5 | Analytical             |
| 38792 | CHIRALPAK® RSA | 50  | 2 | 5 | Analytical             |
| 38781 | CHIRALPAK® RSA | 10  | 3 | 5 | Guard Cartridges (x 2) |
| 38791 | CHIRALPAK® RSA | 10  | 2 | 5 | Guard Cartridges (x 2) |
| 38711 | CHIRALPAK® RSA | 10  | 4 | 5 | Guard Cartridges (x 2) |

**PROTEIN-BASED COLUMN ACCESSORIES**

|       |                            |  |  |  |                             |
|-------|----------------------------|--|--|--|-----------------------------|
| 00081 | GUARD CARTRIDGE HOLDER*    |  |  |  | Holder for guard cartridges |
| 000D1 | GUARD COLUMN COUPLER       |  |  |  | Coupler                     |
| 000D2 | GUARD COLUMN COUPLER MICRO |  |  |  | Coupler                     |

\* for protein-based guard cartridges

**CHIRAL SELECTORS FOR SPECIAL APPLICATIONS****CROWNPAK® CR-I (+) & (-)**

|       |                   |     |   |   |            |
|-------|-------------------|-----|---|---|------------|
| 53784 | CROWNPAK® CR-I(+) | 150 | 3 | 5 | Analytical |
| 54784 | CROWNPAK® CR-I(-) | 150 | 3 | 5 | Analytical |

**CROWNPAK® CR (+) & (-)**

|       |                 |     |   |   |            |
|-------|-----------------|-----|---|---|------------|
| 27711 | CROWNPAK® CR    | 10  | 4 | 5 | Guard      |
| 27714 | CROWNPAK® CR(+) | 150 | 4 | 5 | Analytical |
| 28714 | CROWNPAK® CR(-) | 150 | 4 | 5 | Analytical |

**CHIRALPAK® ZWIX(+) & ZWIX(-)**

|       |                    |     |    |   |            |
|-------|--------------------|-----|----|---|------------|
| 51334 | CHIRALPAK® ZWIX(+) | 150 | 10 | 5 | Semi-Prep  |
| 51335 | CHIRALPAK® ZWIX(+) | 250 | 10 | 5 | Semi-Prep  |
| 51344 | CHIRALPAK® ZWIX(+) | 150 | 21 | 5 | Semi-Prep  |
| 51345 | CHIRALPAK® ZWIX(+) | 250 | 21 | 5 | Semi-Prep  |
| 51514 | CHIRALPAK® ZWIX(+) | 150 | 4  | 3 | Analytical |
| 51515 | CHIRALPAK® ZWIX(+) | 250 | 4  | 3 | Analytical |
| 51584 | CHIRALPAK® ZWIX(+) | 150 | 3  | 3 | Analytical |
| 51585 | CHIRALPAK® ZWIX(+) | 250 | 3  | 3 | Analytical |
| 52334 | CHIRALPAK® ZWIX(-) | 150 | 10 | 5 | Semi-Prep  |
| 52335 | CHIRALPAK® ZWIX(-) | 250 | 10 | 5 | Semi-Prep  |
| 52344 | CHIRALPAK® ZWIX(-) | 150 | 21 | 5 | Semi-Prep  |
| 52345 | CHIRALPAK® ZWIX(-) | 250 | 21 | 5 | Semi-Prep  |
| 52514 | CHIRALPAK® ZWIX(-) | 150 | 4  | 3 | Analytical |