

AZYP CHIRAL COLUMNS



AZYP Chiral Phases Offer Unique Selectivity for Difficult Separations

AZYP's chiral phase chemistries offer a wide range of selectivities for your most challenging chiral separations. All phases are bonded to 2.7µm superficially porous particles for faster, highly efficient separations.

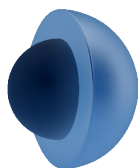
- Complementary selectivity to polysaccharide and brush-type chiral phases
- Fast chiral screening and method development
- Narrow peak widths improve sensitivity and resolution
- Compatible with a broad range of solvents for NPLC, RPLC and SFC



Phase Characteristics

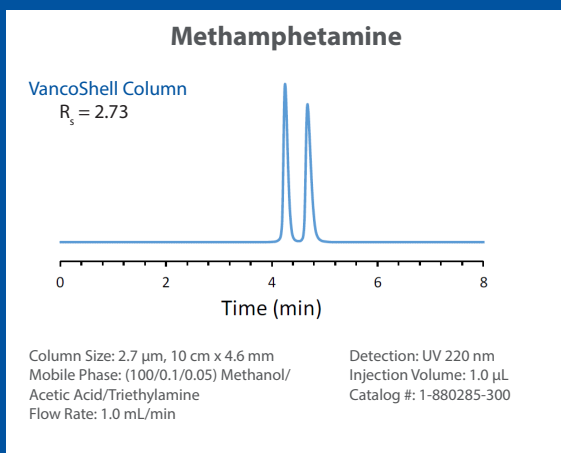
| AZYP Phases | Chiral Selector | Key Applications |
|---------------|-------------------------------------|--|
| CDSHELL-RSP | beta-cyclodextrin, hydroxypropyl | Stimulants, fungicides, t-boc amino acids, neutral and charged aromatic compounds, amides, pesticides and atropisomers |
| TeicoShell | teicoplanin | Beta blockers, hydroxyl acids, amino acids, profens, hydantoin, benzodiazepines, carboxy-compounds, oxazolindines, N-blocked amino acids |
| NicoShell | modified macrocyclic glycopeptide | Azoles, nicotine analogs, pharmaceuticals, stimulants, beta blockers, amines |
| VancoShell | vancomycin | Various pharmaceuticals, amines, profens, amino alcohols, Beta Blockers |
| LarihcShell-P | alkyl derivatized cyclofructan CF-6 | Primary amines (amino alcohols, amino esters, and amino amides) |
| QShell | quinine based | N-blocked amino acids, carboxylates |

What is Core-shell Technology?

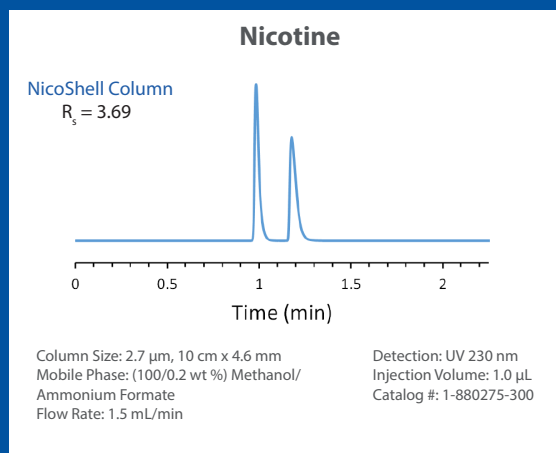


Core-shell (superficially porous particles) have a solid silica core, enveloped by a homogenous porous shell. This reduces band broadening and improves efficiency, largely due to more rapid analyte mass transfer – from the mobile phase through the stationary phase and back again. This is because diffusion only occurs in the porous, outer layer of the particle rather than the entire particle. The result is reduced analysis times and higher column efficiencies without generating extreme back-pressures.

AZYP Chiral Phases Provide Unique Selectivities at Exceptional Speeds!



LC separation of methamphetamine enantiomers can be difficult, but VancoShell provides full baseline resolution in minutes.



Core-shell technology enables unprecedented speeds for routine analyses. Nicotine enantiomers are fully resolved in under 1.5 minutes.

UNIQUE SELECTIVITY

For a wide range of challenging chiral separations



AZYP Chiral Column Ordering Information

| Particle Size | Dimensions | CDSheII-RSP Catalog# | LarihcShell-P Catalog# | NicoShell Catalog# | TeicoShell Catalog# | VancoShell Catalog# | QShell Catalog# |
|---------------|---------------|----------------------|------------------------|--------------------|---------------------|---------------------|-----------------|
| 2.7 µm | 50mm x 2.1mm | 1-880251-300 | 1-880291-300 | 1-880271-300 | 1-880261-300 | 1-880281-300 | 1-880310-300 |
| | 100mm x 2.1mm | 1-880252-300 | 1-880292-300 | 1-880272-300 | 1-880262-300 | 1-880282-300 | 1-880311-300 |
| | 150mm x 2.1mm | 1-880253-300 | 1-880293-300 | 1-880273-300 | 1-880263-300 | 1-880283-300 | 1-880312-300 |
| | 50mm x 4.6mm | 1-880254-300 | 1-880294-300 | 1-880274-300 | 1-880264-300 | 1-880284-300 | 1-880313-300 |
| | 100mm x 4.6mm | 1-880255-300 | 1-880295-300 | 1-880275-300 | 1-880265-300 | 1-880285-300 | 1-880314-300 |
| | 150mm x 4.6mm | 1-880256-300 | 1-880296-300 | 1-880276-300 | 1-880266-300 | 1-880286-300 | 1-880315-300 |
| | 50mm x 3.0mm | 1-880257-300 | 1-880297-300 | 1-880277-300 | 1-880267-300 | 1-880287-300 | 1-880316-300 |
| | 100mm x 3.0mm | 1-880258-300 | 1-880298-300 | 1-880278-300 | 1-880268-300 | 1-880288-300 | 1-880317-300 |
| | 150mm x 3.0mm | 1-880259-300 | 1-880299-300 | 1-880279-300 | 1-880269-300 | 1-880289-300 | 1-880318-300 |

FREE CHIRAL SCREENING SERVICE



Let a Regis Chromatography Expert find the right column and method for your compound. Results in as little as 3 days.

Get Started Today!
registech.com/chiral-screening/

CONTACT US FOR A QUOTE



To learn more about AZYP chiral columns or to request a quote, contact a Regis Chromatography Sales Expert.

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To learn more about our innovative chromatography products, visit us at registech.com

AZYP LLC is a supplier of novel chiral and achiral stationary phases for HPLC and SFC.

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Switzerland BGB Analytik AG • Rohrmattstrasse 4 • 4461 Böckten • Phone +41 61 991 00 46 • Fax +41 61 991 00 25 • sales@bgb-analytik.com
Benelux BGB Analytik Benelux B.V. • Drielandendreef 42 • 3845 CA Harderwijk • Phone +31 341 700270 • Fax +31 341 700271 • sales.benelux@bgb-analytik.com
France BGB Analytik France S.A.S. • 81 Vie de l'Etraz • 01630 St. Jean de Gonville • Phone +33 450 488567 • Fax +33 450 562378 • sales.fr@bgb-analytik.com
Germany BGB Analytik Vertrieb GmbH • Mühlestraße 1 • 79539 Lörrach • Phone +49 7621 5884270 • Fax +49 7621 5884289 • sales.de@bgb-analytik.com
Turkey BGB Analytik Laboratuvar Malzemeleri Ticaret LTD.ŞTİ • Starport Residence • Yenişehir Mah. Osmanlı Bulvarı. • Sumbül Sok. No:10, Daire: 193 • 34912 Kurtköy, Pendik, İstanbul • Phone +90 2169092048 • sales.tr@bgb-analytik.com