

FortisBIO[®]

Fortis[®] *SpeedCore*[®] **BIO**

HPLC & UHPLC Columns for



Proteins & Peptides



FortisBIO[®] C18

FortisBIO[™] C18 is a 300Å material specifically optimised for the retention and resolution of peptides and proteins. Based upon our traditional silica and bonded technology, sharp peak shapes, excellent analyte recovery and high sensitivity can all be achieved whether in analytical scale or in UHPLC scale. Improvements in sensitivity and resolution of peptides, proteins, tryptic digests can all be gained with the minimum of effort

- **300Å Pore size optimised for Peptides and Proteins**
- **1.7µm UHPLC particle size - increases sensitivity options**
- **Sharp efficient peak shapes**
- **Fully scaleable 1.7µm - 5µm particle sizes for method transfer**

FortisBIO[®] C4

FortisBIO[®] C4 is a 300Å material specifically optimised for the retention and resolution of large peptides and proteins. Sharp peak shapes, excellent analyte recovery and high sensitivity can all be achieved whether in analytical scale or in UHPLC scale. The C4 ligand provides a high density bonding, resulting in a chemically stable, robust, low bleed phase.

- **300Å Pore size optimised for Peptides and Proteins**
- **1.7µm UHPLC particle size - increases sensitivity options**
- **Sharp efficient peak shapes**
- **Fully Scaleable 1.7µm - 5µm particle sizes for method transfer**

1.7µm FortisBIO C18 - INCREASE SENSITIVITY

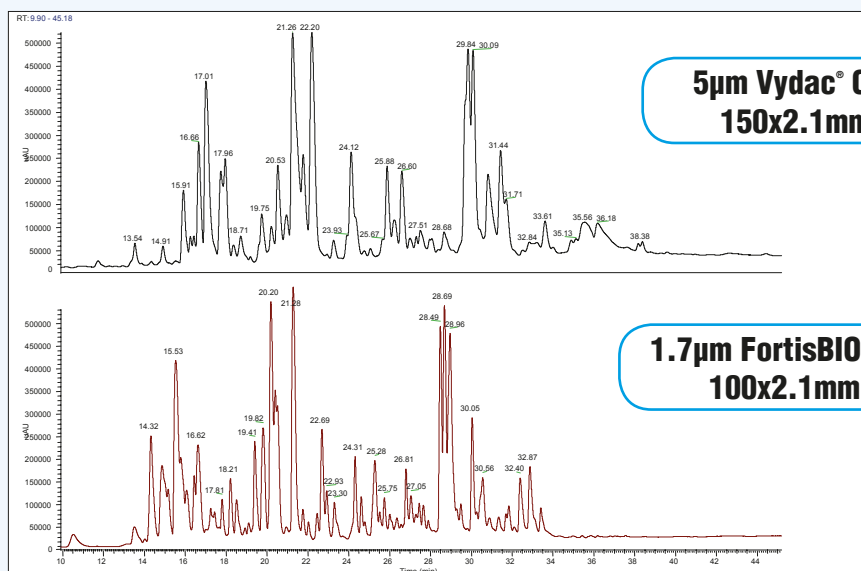
FortisBIO C18 is available as 1.7µm particle size for use in UHPLC, this means that sensitivity of methods and resolution of complex mixtures such as tryptic digests and closely related peptides can be improved:

– Sharp Peaks

1.7µm FortisBIO's sharp peak shapes provide a high level of resolution between compounds. Efficiency of this small particle and its ability to work at high pressure means that methods can now be developed with more speed.

– Increase Sensitivity

If you use a small 1.7µm particle then sensitivity of low abundance peptides will be enhanced.



1.7µm UHPLC part numbers

1.7µm FortisBIO C18 300Å*		Column Length (mm)				
		20	30	50	100	150
Column Diameter (mm)	2.1	BI0318-020101	BI0318-020201	BI0318-020301	BI0318-020501	BI0318-020701
	3.0	-	BI0318-030201	BI0318-030301	BI0318-030501	BI0318-030701
	4.6	-	BI0318-050201	BI0318-050301	BI0318-050501	-

1.7µm FortisBIO C4 300Å*		Column Length (mm)				
		20	30	50	100	150
Column Diameter (mm)	2.1	BI0304-020101	BI0304-020201	BI0304-020301	BI0304-020501	BI0304-020701
	3.0	-	BI0304-030201	BI0304-030301	BI0304-030501	BI0304-030701
	4.6	-	BI0304-050201	BI0304-050301	BI0304-050501	-

* Also available as capillary columns with 0.075 and 0.200 mm inner diameter.

3µm part numbers

3µm FortisBIO C18 300Å*		Column Length (mm)						
		30	50	75	100	125	150	250
Column Diameter (mm)	2.1	BI0318-020203	BI0318-020303	-	BI0318-020503	-	BI0318-020703	-
	3.0	BI0318-030203	BI0318-030303	-	BI0318-030503	-	BI0318-030703	-
	4.0	-	BI0318-040303	BI0318-040403	BI0318-040503	BI0318-040603	BI0318-040703	BI0318-040903
	4.6	-	BI0318-050303	-	BI0318-050503	-	BI0318-050703	BI0318-050903

3µm FortisBIO C4 300Å*		Column Length (mm)						
		30	50	75	100	125	150	250
Column Diameter (mm)	2.1	BI0304-020203	BI0304-020303	-	BI0304-020503	-	BI0304-020703	-
	3.0	BI0304-030203	BI0304-030303	-	BI0304-030503	-	BI0304-030703	-
	4.0	-	BI0304-040303	BI0304-040403	BI0304-040503	BI0304-040603	BI0304-040703	BI0304-040903
	4.6	-	BI0304-050303	-	BI0304-050503	-	BI0304-050703	BI0304-050903

* Also available as capillary columns with 0.075 and 0.200 mm inner diameter.

5µm part numbers

5µm FortisBIO C18 300Å*		Column Length (mm)						
		30	50	75	100	125	150	250
Column Diameter (mm)	2.1	BI0318-020205	BI0318-020305	-	BI0318-020505	-	BI0318-020705	-
	3.0	BI0318-030205	BI0318-030305	-	BI0318-030505	-	BI0318-030705	-
	4.0	-	BI0318-040305	BI0318-040405	BI0318-040505	BI0318-040605	BI0318-040705	BI0318-040905
	4.6	-	BI0318-050305	-	BI0318-050505	-	BI0318-050705	BI0318-050905
	10.0	-	BI0318-100305	-	BI0318-100505	-	BI0318-100705	BI0318-100905
	21.2	-	BI0318-210305	-	BI0318-210505	-	BI0318-210705	BI0318-210905

5µm FortisBIO C4 300Å*		Column Length (mm)						
		30	50	75	100	125	150	250
Column Diameter (mm)	2.1	BI0304-020205	BI0304-020305	-	BI0304-020505	-	BI0304-020705	-
	3.0	BI0304-030205	BI0304-030305	-	BI0304-030505	-	BI0304-030705	-
	4.0	-	BI0304-040305	BI0304-040405	BI0304-040505	BI0304-040605	BI0304-040705	BI0304-040905
	4.6	-	BI0304-050305	-	BI0304-050505	-	BI0304-050705	BI0304-050905
	10.0	-	BI0304-100305	-	BI0304-100505	-	BI0304-100705	BI0304-100905
	21.2	-	BI0304-210305	-	BI0304-210505	-	BI0304-210705	BI0304-210905

* Also available as capillary columns with 0.075 and 0.200 mm inner diameter.

Fortis[®] SpeedCore[®] BIO

Speedcore BIO columns utilise the same core-shell technology but with a smaller shell layer in order to make mass-transfer of peptide and larger proteins optimum for retention and separation. Biomolecules are a diverse range of compounds, amino acids, proteins, peptides, nucleic acids, vitamins.

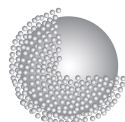
Choose SpeedCore BIO C18 for more hydrophilic proteins and SpeedCore BIO C8 or SpeedCore BIO C4 for more hydrophobic molecules.

- High efficiency for sharp peak shape, high resolution separations
- Choice of large pore size for proteins and smaller pore size for peptides
- High sensitivity core-shell technology
- Choice of Protein ligand to increase or decrease hydrophobic nature

SpeedCore BIO

Peptide

 New Fused Core technology



0.3 µm Porous Shell

2.0 µm Solid Core

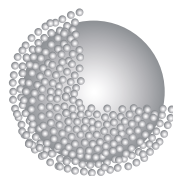
2.6µm SpeedCore BIO Peptide

160 Å Pore Size

SpeedCore BIO

Protein

 New Fused Core technology



0.2 µm Porous Shell

3.1 µm Solid Core

3.5µm SpeedCore BIO Protein

300Å Pore Size

SpeedCore[®] BIO part numbers

2.6µm SpeedCore BIO Peptide C18 160Å	Column Length (mm)			
	30	50	100	150
2.1	SCPEP18-020250	SCPEP18-020350	SCPEP18-020550	SCPEP18-020750
Column Diameter (mm) 3.0	SCPEP18-030250	SCPEP18-030350	SCPEP18-030550	SCPEP18-030750
4.6	SCPEP18-050250	SCPEP18-050350	SCPEP18-050550	SCPEP18-050750

3.5µm SpeedCore BIO Protein C18 300Å	Column Length (mm)			
	30	50	100	150
2.1	SCPRO18-020250	SCPRO18-020350	SCPRO18-020550	SCPRO18-020750
Column Diameter (mm) 3.0	SCPRO18-030250	SCPRO18-030350	SCPRO18-030550	SCPRO18-030750
4.6	SCPRO18-050250	SCPRO18-050350	SCPRO18-050550	SCPRO18-050750

3.5µm SpeedCore BIO Protein C8 300Å	Column Length (mm)			
	30	50	100	150
2.1	SCPRO08-020250	SCPRO08-020350	SCPRO08-020550	SCPRO08-020750
Column Diameter (mm) 3.0	SCPRO08-030250	SCPRO08-030350	SCPRO08-030550	SCPRO08-030750
4.6	SCPRO08-050250	SCPRO08-050350	SCPRO08-050550	SCPRO08-050750

3.5µm SpeedCore BIO Protein C4 300Å	Column Length (mm)			
	30	50	100	150
2.1	SCPRO04-020250	SCPRO04-020350	SCPRO04-020550	SCPRO04-020750
Column Diameter (mm) 3.0	SCPRO04-030250	SCPRO04-030350	SCPRO04-030550	SCPRO04-030750
4.6	SCPRO04-050250	SCPRO04-050350	SCPRO04-050550	SCPRO04-050750

www.bgb-shop.com/fortis-speedcore