



HPLC AND UHPLC COLUMNS

Commercial Equivalent Media Range

- Comprehensive range of Commercial Equivalent Media - replacement for original manufacturer phases
- Phenomenex Luna[®] and Prodigy[™], Waters[®] SunFire[™], Symmetry[®] SymmetryShield[™] and μ Bondapak[®], Atlantis[®] and Spherisorb[®] GL Sciences Inertsil[®], Thermo Fisher Scientific[®] Hypersil[®], Hypersil BDS[®] and Hypersil GOLD[®] and Advanced Chromatography Technologies ACE[®]
- Identical to original manufacturers particle sizes
- All popular bonding chemistries
- 100, 150 and 250mm column geometries

Kinesis has developed a range of TELOS Commercial Equivalent Media HPLC and UHPLC Columns. Expertise in high purity silica selection, surface modification, bonding technology and column packing technology has enabled Kinesis to develop high quality materials which are interchangeable with many commercially available columns.



All TELOS Commercial Equivalent Media HPLC and UHPLC Columns are individually tested, confirming efficiency, peak asymmetry and ensuring each column passes the Kinesis rigorous QC standards. Each column is supplied with a test chromatogram which outlines the test conditions and analytes for customer reproduction and a Column Care and Use Guide which outlines the recommended conditioning, storage and cleaning procedures for the TELOS Commercial Equivalent Media Columns.



Kinesis Ltd kinesis.co.uk
Kinesis Inc kinesis-usa.com
Kinesis GmbH (formerly Abimed) kinesisgmbh.de
Kinesis Australia Pty Ltd kinesis-australia.com.au

 **Kinesis**
Scientific Experts

TELOS LU

The TELOS LU Commercial Equivalent Media range is a replacement for Phenomenex Luna.

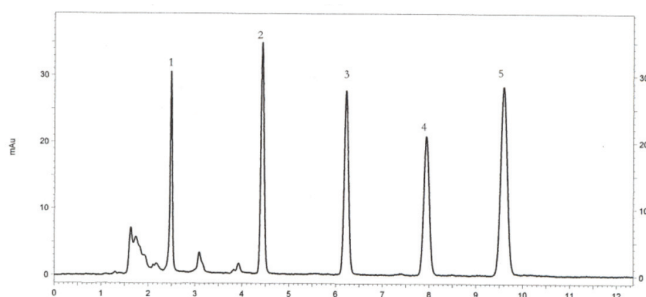
- **TELOS LU - available from stock in 3 and 5µm particle sizes**
- **TELOS LU - available from stock in Silica, C8, C8(2), C18, C18(2), Phenyl Hexyl, CN and NH2 bonded phases**
- **TELOS LU is also available in 10µm particle size materials upon special request**
- **TELOS LU is also available in C5, HILIC, PFP and SCX bonded phases upon special request**

Long column lifetimes with consistent reproducibility are standard for the TELOS Commercial Equivalent Media Columns, and more importantly, excellent efficiencies, peak shape and resolution are obtained for all Luna HPLC applications.

TELOS LU C18(2) 5µm, 250 x 4.6mm

Mobile Phase : 70/30, v/v
Acetonitrile/Water
Flow Rate : 1.0ml/min
Detection : UV @ 254nm
Temp : Ambient Injection
Volume : 5µl

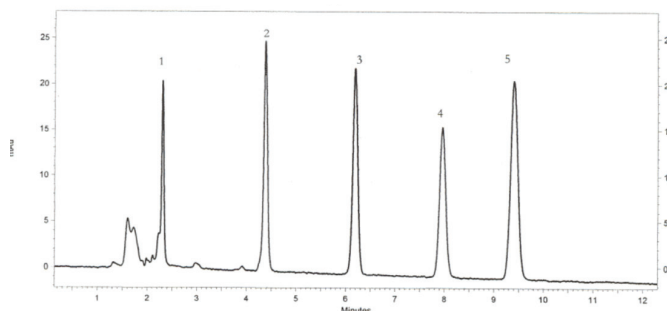
Analytes
1. Uracil
2. Acetophenone
3. Benzene
4. Toluene
5. Naphthalene



Phenomenex Luna C18(2) 5µm, 250 x 4.6mm

Mobile Phase : 70/30, v/v
Acetonitrile/Water
Flow Rate : 1.0ml/min
Detection : UV @ 254nm
Temp : Ambient Injection
Volume : 5µl

Analytes
1. Uracil
2. Acetophenone
3. Benzene
4. Toluene
5. Naphthalene



PART NUMBER	DESCRIPTION
TELOS LU Silica(2)	
1248-5-250-046	TELOS LU Silica(2) 5µm 250 x 4.6mmid
1248-5-150-046	TELOS LU Silica(2) 5µm 150 x 4.6mmid
1248-5-100-046	TELOS LU Silica(2) 5µm 100 x 4.6mmid
1248-3-150-046	TELOS LU Silica(2) 3µm 150 x 4.6mmid
1248-3-100-046	TELOS LU Silica(2) 3µm 100 x 4.6mmid
TELOS LU C18(2)	
1204-5-250-046	TELOS LU C18(2) 5µm 250 x 4.6mmid
1204-5-150-046	TELOS LU C18(2) 5µm 150 x 4.6mmid
1204-5-100-046	TELOS LU C18(2) 5µm 100 x 4.6mmid
1204-3-150-046	TELOS LU C18(2) 3µm 150 x 4.6mmid
1204-3-100-046	TELOS LU C18(2) 3µm 100 x 4.6mmid
TELOS LU C18	
1200-5-250-046	TELOS LU C18 5µm 250 x 4.6mmid
1200-5-150-046	TELOS LU C18 5µm 150 x 4.6mmid
1200-5-100-046	TELOS LU C18 5µm 100 x 4.6mmid
1200-3-150-046	TELOS LU C18 3µm 150 x 4.6mmid
1200-3-100-046	TELOS LU C18 3µm 100 x 4.6mmid
TELOS LU C8(2)	
2020-5-250-046	TELOS LU C8(2) 5µm 250 x 4.6mmid
2020-5-150-046	TELOS LU C8(2) 5µm 150 x 4.6mmid
2020-5-100-046	TELOS LU C8(2) 5µm 100 x 4.6mmid
2020-3-150-046	TELOS LU C8(2) 3µm 150 x 4.6mmid
2020-3-100-046	TELOS LU C8(2) 3µm 100 x 4.6mmid
TELOS LU C8	
2019-5-250-046	TELOS LU C8 5µm 250 x 4.6mmid
2019-5-150-046	TELOS LU C8 5µm 150 x 4.6mmid

PART NUMBER	DESCRIPTION
2019-5-100-046	TELOS LU C8 5µm 100 x 4.6mmid
2019-3-150-046	TELOS LU C8 3µm 150 x 4.6mmid
2019-3-100-046	TELOS LU C8 3µm 100 x 4.6mmid
TELOS LU C5	
2027-5-250-046	TELOS LU C5 5µm 250 x 4.6mmid
2027-5-150-046	TELOS LU C5 5µm 150 x 4.6mmid
2027-5-100-046	TELOS LU C5 5µm 100 x 4.6mmid
2027-3-150-046	TELOS LU C5 3µm 150 x 4.6mmid
2027-3-100-046	TELOS LU C5 3µm 100 x 4.6mmid
TELOS LU Phenyl Hexyl	
2037-5-250-046	TELOS LU Phenyl Hexyl 5µm 250 x 4.6mmid
2037-5-150-046	TELOS LU Phenyl Hexyl 5µm 150 x 4.6mmid
2037-5-100-046	TELOS LU Phenyl Hexyl 5µm 100 x 4.6mmid
2037-3-150-046	TELOS LU Phenyl Hexyl 3µm 150 x 4.6mmid
2037-3-100-046	TELOS LU Phenyl Hexyl 3µm 100 x 4.6mmid
TELOS LU Cyano	
2038-5-250-046	TELOS LU Cyano 5µm 250 x 4.6mmid
2038-5-150-046	TELOS LU Cyano 5µm 150 x 4.6mmid
2038-5-100-046	TELOS LU Cyano 5µm 100 x 4.6mmid
2038-3-150-046	TELOS LU Cyano 3µm 150 x 4.6mmid
2038-3-100-046	TELOS LU Cyano 3µm 100 x 4.6mmid
TELOS LU NH2	
2042-5-250-046	TELOS LU NH2 5µm 250 x 4.6mmid
2042-5-150-046	TELOS LU NH2 5µm 150 x 4.6mmid
2042-5-100-046	TELOS LU NH2 5µm 100 x 4.6mmid
2042-3-150-046	TELOS LU NH2 3µm 150 x 4.6mmid
2042-3-100-046	TELOS LU NH2 3µm 100 x 4.6mmid

TELOS PR

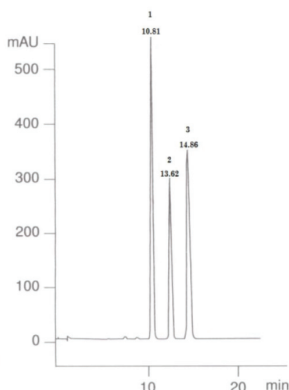
The TELOS PR Commercial Equivalent Media range is a replacement for Phenomenex Prodigy.

- **TELOS PR - available in 3, 5 and 10µm particle sizes in the 100Å pore size and Silica, Silica (3), ODS3 and Phenyl (3) bonded phases**
- **TELOS PR - available in 3 and 5µm particle sizes in the 150Å pore size and Silica, C8, ODS2**
- **Ideal LC/MS gradient R&D**

Long column lifetimes with consistent reproducibility are standard for the TELOS Commercial Equivalent Media Columns, and more importantly, excellent efficiencies, peak shape and resolution are obtained for all Prodigy HPLC applications.

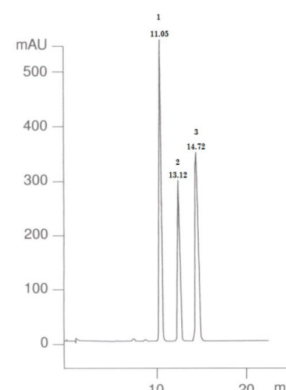
TELOS PR ODS2 5µm, 150 X 4.6mm

Mobile Phase : Acetonitrile/Methanol (85:15, v/v)
Flow Rate : 1.0ml/min
Detection : UV @ 296nm
Sample : 1. δ-Tocopherol
 2. γ-Tocopherol
 3. α-Tocopherol



Prodigy ODS2 5µm, 150 X 4.6mm

Mobile Phase : Acetonitrile/Methanol (85:15, v/v)
Flow Rate : 1.0ml/min
Detection : UV @ 296nm
Sample : 1. δ-Tocopherol
 2. γ-Tocopherol
 3. α-Tocopherol



PART NUMBER	DESCRIPTION
TELOS PR Silica	
1350-5-250-046	TELOS PR Silica 150 5µm 250 x 4.6mmid
1350-5-150-046	TELOS PR Silica 150 5µm 150 x 4.6mmid
1350-5-100-046	TELOS PR Silica 150 5µm 100 x 4.6mmid
TELOS PR ODS (2)	
1305-5-250-046	TELOS PR ODS (2) 5µm 250 x 4.6mmid
1305-5-150-046	TELOS PR ODS (2) 5µm 150 x 4.6mmid
1305-5-100-046	TELOS PR ODS (2) 5µm 100 x 4.6mmid
TELOS PR C8	
1319-5-250-046	TELOS PR C8 5µm 250 x 4.6mmid
1319-5-150-046	TELOS PR C8 5µm 150 x 4.6mmid
1319-5-100-046	TELOS PR C8 5µm 100 x 4.6mmid
TELOS PR ODS (3)	
1306-10-250-046	TELOS PR ODS (3) 10µm 250 x 4.6mmid
1306-10-150-046	TELOS PR ODS (3) 10µm 150 x 4.6mmid
1306-10-100-046	TELOS PR ODS (3) 10µm 100 x 4.6mmid
1306-5-250-046	TELOS PR ODS (3) 5µm 250 x 4.6mmid
1306-5-150-046	TELOS PR ODS (3) 5µm 150 x 4.6mmid

PART NUMBER	DESCRIPTION
1306-5-100-046	TELOS PR ODS (3) 5µm 100 x 4.6mmid
1306-3-150-046	TELOS PR ODS (3) 3µm 150 x 4.6mmid
1306-3-100-046	TELOS PR ODS (3) 3µm 100 x 4.6mmid
TELOS PR Phenyl (3)	
1336-5-250-046	TELOS PR Phenyl (3) 5µm 250 x 4.6mmid
1336-5-150-046	TELOS PR Phenyl (3) 5µm 150 x 4.6mmid
1336-5-100-046	TELOS PR Phenyl (3) 5µm 100 x 4.6mmid
TELOS PR Silica	
1347-5-250-046	TELOS PR Silica 5µm 250 x 4.6mmid
1347-5-150-046	TELOS PR Silica 5µm 150 x 4.6mmid
1347-5-100-046	TELOS PR Silica 5µm 100 x 4.6mmid
TELOS PR Silica (3)	
1349-10-250-046	TELOS PR Silica (3) 10µm 250 x 4.6mmid
1349-10-150-046	TELOS PR Silica (3) 10µm 150 x 4.6mmid
1349-10-100-046	TELOS PR Silica (3) 10µm 100 x 4.6mmid
1349-5-250-046	TELOS PR Silica (3) 5µm 250 x 4.6mmid
1349-5-150-046	TELOS PR Silica (3) 5µm 150 x 4.6mmid
1349-5-100-046	TELOS PR Silica (3) 5µm 100 x 4.6mmid

TELOS SU

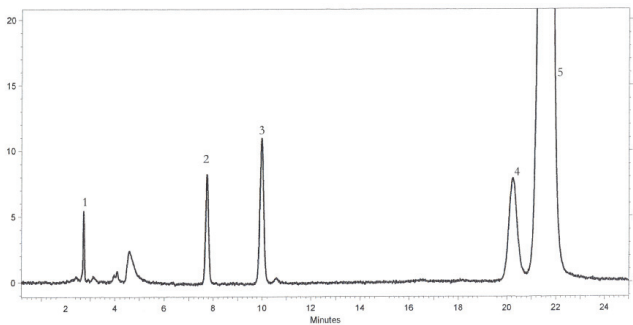
The TELOS SU Commercial Equivalent Media range is a replacement for Waters SunFire.

- **TELOS SU - available from stock in 2.5, 3.5 and 5µm particle sizes**
- **TELOS SU - available from stock in C8 and C18 bonded phases**
- **TELOS SU exhibits identical selectivity to Waters SunFire materials**

Long column lifetimes with consistent reproducibility are standard for the TELOS Commercial Equivalent Media Columns, and more importantly, excellent efficiencies, peak shape and resolution are obtained for all Waters SunFire HPLC applications. TELOS SU excels by providing symmetrical peaks for improved resolution and quantitation of acidic, neutral and basic compounds at low and intermediate pH range conditions.

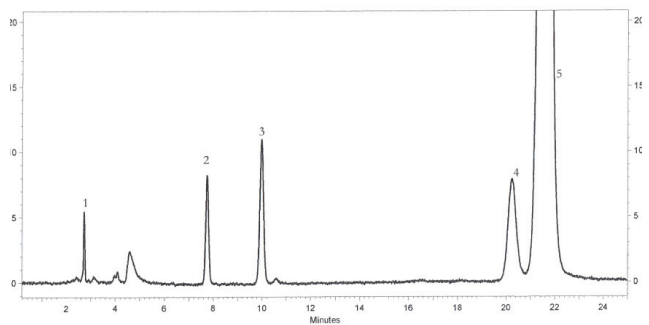
TELOS SU C18 5µm, 250 x 4.6mm

Mobile Phase : 80/20, v/v Methanol/Buffer
(20mM Potassium Phosphate pH=7)
Flow Rate : 1.0ml/min
Detection : UV @ 225nm
Column Temp : 23°C
Injection Vol : 5µl
Sample : 1. Uracil
2. Toluene
3. Ethylbenzene
4. Quinizarin
5. Amitriptyline



Waters SunFire C18 250 x 4.6mm 5µm

Mobile Phase : 80/20, v/v Methanol/Buffer
(20mM Potassium Phosphate pH=7)
Flow Rate : 1.0ml/min
Detection : UV @ 225nm
Column Temp : 23°C
Injection Vol : 5µl
Sample : 1. Uracil
2. Toluene
3. Ethylbenzene
4. Quinizarin
5. Amitriptyline



PART NUMBER	DESCRIPTION
TELOS SU C18	
1500-5-250-046	TELOS SU C18 5µm 250 x 4.6mmid
1500-5-150-046	TELOS SU C18 5µm 150 x 4.6mmid
1500-5-100-046	TELOS SU C18 5µm 100 x 4.6mmid
1500-3-150-046	TELOS SU C18 3.5µm 150 x 4.6mmid
1500-3-100-046	TELOS SU C18 3.5µm 100 x 4.6mmid
1500-2-100-021	TELOS SU C18 2.5µm 100 x 2.1mmid
1500-2-050-021	TELOS SU C18 2.5µm 50 x 2.1mmid
TELOS SU C8	
1519-5-250-046	TELOS SU C8 5µm 250 x 4.6mmid

PART NUMBER	DESCRIPTION
1519-5-150-046	TELOS SU C8 5µm 150 x 4.6mmid
1519-5-100-046	TELOS SU C8 5µm 100 x 4.6mmid
1519-3-150-046	TELOS SU C8 3.5µm 150 x 4.6mmid
1519-3-100-046	TELOS SU C8 3.5µm 100 x 4.6mmid
1519-2-100-021	TELOS SU C8 2.5µm 100 x 2.1mmid
1519-2-050-021	TELOS SU C8 2.5µm 50 x 2.1mmid
TELOS SU Silica	
1547-5-250-046	TELOS SU Silica 5µm 250 x 4.6mmid
1547-5-150-046	TELOS SU Silica 5µm 150 x 4.6mmid
1547-5-100-046	TELOS SU Silica 5µm 100 x 4.6mmid

TELOS SY AND TELOS SY SH

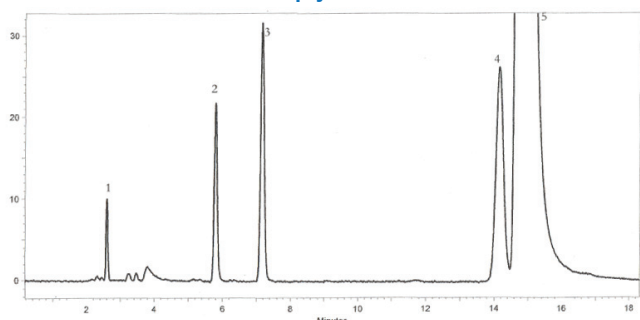
The TELOS SY and TELOS SY SH Commercial Equivalent Media ranges are replacements for Waters Symmetry and SymmetryShield.

- **TELOS SY and TELOS SY SH - available from stock in 3.5 and 5µm particle sizes**
- **TELOS SY - available from stock in C8 and C18 bonded phases with 300Å C4 and C18**
- **TELOS SY SH - available from stock in C8 and C18 bonded phases**
- **TELOS SY and TELOS SY SH exhibit identical selectivity to Waters Symmetry and SymmetryShield materials**

Long column lifetimes with consistent reproducibility are standard for the TELOS Commercial Equivalent Media Columns, and more importantly, excellent efficiencies, peak shape and resolution are obtained for all Waters Symmetry and SymmetryShield HPLC applications.

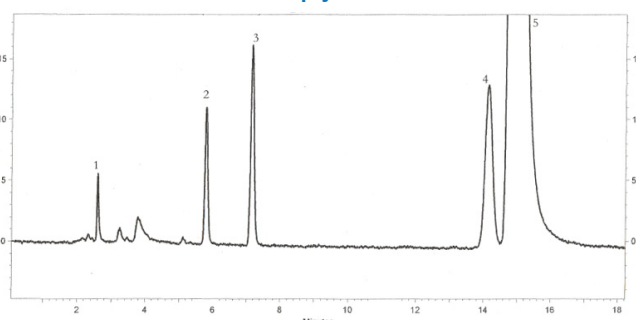
TELOS SY C18 5µm, 250 x 4.6mm

Mobile Phase : 80/20 v/v Methanol/Buffer
(20mM Potassium Phosphate pH 7)
Flow Rate : 1.0ml/min
Detection : UV @ 225nm
Column Temp : 23°C
Injection Volume : 5µl
Sample : 1. Uracil
2. Toluene
3. Ethylbenzene
4. Quinizarin
5. Amitriptyline



Waters Symmetry C18 5µm, 250 x 4.6mm

Mobile Phase : 80/20 v/v Methanol/Buffer
(20mM Potassium Phosphate pH 7)
Flow Rate : 1.0ml/min
Detection : UV @ 225nm
Column Temp : 23°C
Injection Volume : 5µl
Sample : 1. Uracil
2. Toluene
3. Ethylbenzene
4. Quinizarin
5. Amitriptyline



PART NUMBER	DESCRIPTION
TELOS SY C18	
1600-5-250-046	TELOS SY C18 5µm 250 x 4.6mmid
1600-5-150-046	TELOS SY C18 5µm 150 x 4.6mmid
1600-5-100-046	TELOS SY C18 5µm 100 x 4.6mmid
1600-3-150-046	TELOS SY C18 3.5µm 150 x 4.6mmid
1600-3-100-046	TELOS SY C18 3.5µm 100 x 4.6mmid
TELOS SY C8	
1619-5-250-046	TELOS SY C8 5µm 250 x 4.6mmid
1619-5-150-046	TELOS SY C8 5µm 150 x 4.6mmid
1619-5-100-046	TELOS SY C8 5µm 100 x 4.6mmid
1619-3-150-046	TELOS SY C8 3.5µm 150 x 4.6mmid
1619-3-100-046	TELOS SY C8 3.5µm 100 x 4.6mmid
TELOS SY 300 C18	
1607-5-250-046	TELOS SY 300 C18 5µm 250 x 4.6mmid
1607-5-150-046	TELOS SY 300 C18 5µm 150 x 4.6mmid
1607-5-100-046	TELOS SY 300 C18 5µm 100 x 4.6mmid
1607-3-150-046	TELOS SY 300 C18 3.5µm 150 x 4.6mmid
1607-3-100-046	TELOS SY 300 C18 3.5µm 100 x 4.6mmid

PART NUMBER	DESCRIPTION
TELOS SY 300 C4	
1629-5-250-046	TELOS SY 300 C4 5µm 250 x 4.6mmid
1629-5-150-046	TELOS SY 300 C4 5µm 150 x 4.6mmid
1629-5-100-046	TELOS SY 300 C4 5µm 100 x 4.6mmid
1629-3-150-046	TELOS SY 300 C4 3.5µm 150 x 4.6mmid
1629-3-100-046	TELOS SY 300 C4 3.5µm 100 x 4.6mmid
TELOS SY SH RP18	
1608-5-250-046	TELOS SY SH RP18 5µm 250 x 4.6mmid
1608-5-150-046	TELOS SY SH RP18 5µm 150 x 4.6mmid
1608-5-100-046	TELOS SY SH RP18 5µm 100 x 4.6mmid
1608-3-150-046	TELOS SY SH RP18 3.5µm 150 x 4.6mmid
1608-3-100-046	TELOS SY SH RP18 3.5µm 100 x 4.6mmid
TELOS SY SH RP8	
1621-5-250-046	TELOS SY SH RP8 5µm 250 x 4.6mmid
1621-5-150-046	TELOS SY SH RP8 5µm 150 x 4.6mmid
1621-5-100-046	TELOS SY SH RP8 5µm 100 x 4.6mmid
1621-3-150-046	TELOS SY SH RP8 3.5µm 150 x 4.6mmid
1621-3-100-046	TELOS SY SH RP8 3.5µm 100 x 4.6mmid

TELOS μ B

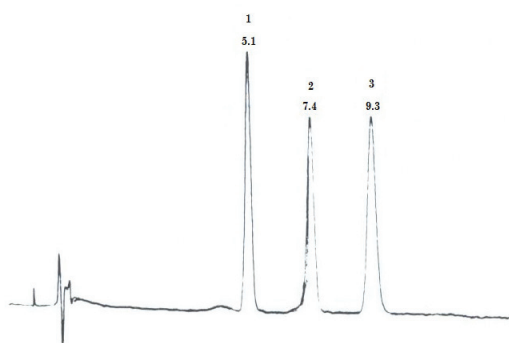
The TELOS μ B Commercial Equivalent Media range is a replacement for Waters μ Bondapak.

- TELOS μ B - available in 5 and 10 μ m particle sizes and is irregular in particle geometry
- TELOS μ B - available in C18, Phenyl, Cyano and Amino bonded phases
- TELOS μ B 5 μ m particle size materials permits faster and more efficient separations than the standard 10 μ m material

Long column lifetimes with consistent reproducibility are standard for the TELOS Commercial Equivalent Media Columns, and more importantly, excellent efficiencies, peak shape and resolution are obtained for all Waters μ Bondapak HPLC applications.

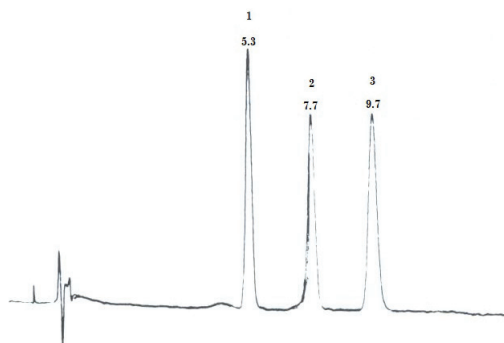
TELOS μ B C18 10 μ 300 x 3.9mm

Mobile Phase : 10/90, v/v Methanol/Buffer
(0.015M H₃PO₄)
Flow Rate : 1.0ml/min
Detection : UV @ 254nm
Column Temp : 23°C
Injection Volume : 5 μ l
Sample : 1. 4-hydroxybenzyl alcohol
2. 3-hydroxybenzyl alcohol
3. 2-hydroxybenzyl alcohol



Waters μ Bondapak C18 10 μ 300 x 3.9mm

Mobile Phase : 10/90, v/v Methanol/Buffer
(0.015M H₃PO₄)
Flow Rate : 1.0ml/min
Detection : UV @ 254nm
Column Temp : 23°C
Injection Volume : 5 μ l
Sample : 1. 4-hydroxybenzyl alcohol
2. 3-hydroxybenzyl alcohol
3. 2-hydroxybenzyl alcohol



PART NUMBER	DESCRIPTION
TELOS μB C18	
1700-10-250-046	TELOS μ B C18 10 μ m 250 x 4.6mmid
1700-10-150-046	TELOS μ B C18 10 μ m 150 x 4.6mmid
1700-10-100-046	TELOS μ B C18 10 μ m 100 x 4.6mmid
1700-5-250-046	TELOS μ B C18 5 μ m 250 x 4.6mmid
1700-5-150-046	TELOS μ B C18 5 μ m 150 x 4.6mmid
1700-5-100-046	TELOS μ B C18 5 μ m 100 x 4.6mmid
TELOS μB Phenyl	
1732-10-250-046	TELOS μ B Phenyl 10 μ m 250 x 4.6mmid
1732-10-150-046	TELOS μ B Phenyl 10 μ m 150 x 4.6mmid
1732-10-100-046	TELOS μ B Phenyl 10 μ m 100 x 4.6mmid
1732-5-250-046	TELOS μ B Phenyl 5 μ m 250 x 4.6mmid
1732-5-150-046	TELOS μ B Phenyl 5 μ m 150 x 4.6mmid
1732-5-100-046	TELOS μ B Phenyl 5 μ m 100 x 4.6mmid

PART NUMBER	DESCRIPTION
TELOS μB Cyano	
1600-5-250-046	TELOS μ B Cyano 10 μ m 250 x 4.6mmid
1600-5-150-046	TELOS μ B Cyano 10 μ m 150 x 4.6mmid
1600-5-100-046	TELOS μ B Cyano 10 μ m 100 x 4.6mmid
1600-5-100-046	TELOS μ B Cyano 5 μ m 250 x 4.6mmid
1600-5-100-046	TELOS μ B Cyano 5 μ m 250 x 4.6mmid
1600-3-150-046	TELOS μ B Cyano 5 μ m 150 x 4.6mmid
1600-3-100-046	TELOS μ B Cyano 5 μ m 100 x 4.6mmid
TELOS μB NH₂	
1742-10-250-046	TELOS μ B NH ₂ 10 μ m 250 x 4.6mmid
1742-10-150-046	TELOS μ B NH ₂ 10 μ m 150 x 4.6mmid
1742-10-100-046	TELOS μ B NH ₂ 10 μ m 100 x 4.6mmid
1742-5-250-046	TELOS μ B NH ₂ 5 μ m 250 x 4.6mmid
1742-5-150-046	TELOS μ B NH ₂ 5 μ m 150 x 4.6mmid
1742-5-100-046	TELOS μ B NH ₂ 5 μ m 100 x 4.6mmid

TELOS AT

The TELOS AT Commercial Equivalent Media range is a replacement for Waters Atlantis.

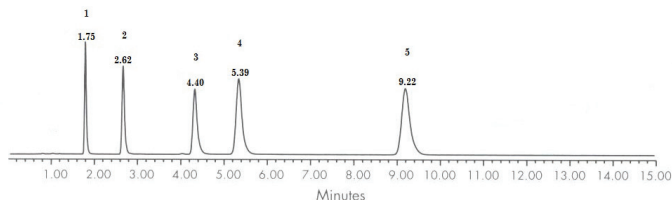
- TELOS AT - available in 3 and 5µm particle sizes
- TELOS AT - available in HILIC Silica, dC18 and t3C18 bonded phases
- Ideal for LC/MS gradient R&D

Long column lifetimes with consistent reproducibility are standard for the TELOS Commercial Equivalent Media Columns, and more importantly, excellent efficiencies, peak shape and resolution are obtained for all Waters Atlantis HPLC applications.

TELOS AT dC18 5µm 150 x 4.6mm

Mobile Phase : 10mM Ammonium Formate pH = 3.0
 Flow Rate : 1.0ml/min
 Detection : UV @ 254nm
 Column Temp : 23°C
 Injection Volume : 5µl

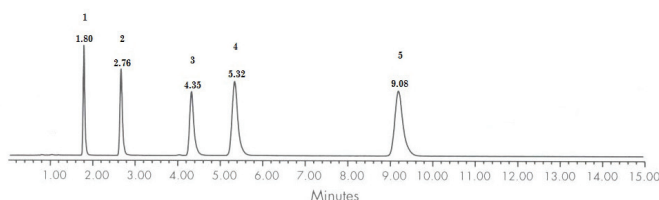
Sample : 1. Thiourea
 2. 5-Fluorocytosine
 3. Adenine
 4. Guanosine-5-monophosphate
 5. Thymine



Waters Atlantis dC18 5µm 150 x 4.6mm

Mobile Phase : 110mM Ammonium Formate pH = 3.0
 Flow Rate : 1.0ml/min
 Detection : UV @ 254nm
 Column Temp : 23°C
 Injection Volume : 5µl

Sample : 1. Thiourea
 2. 5-Fluorocytosine
 3. Adenine
 4. Guanosine-5-monophosphate
 5. Thymine



PART NUMBER	DESCRIPTION
TELOS AT	
1811-5-250-046	TELOS AT dC18 5µm 250 x 4.6mmid
1811-5-150-046	TELOS AT dC18 5µm 150 x 4.6mmid
1811-5-100-046	TELOS AT dC18 5µm 100 x 4.6mmid
1811-3-150-046	TELOS AT dC18 3µm 150 x 4.6mmid
1811-3-100-046	TELOS AT dC18 3µm 100 x 4.6mmid
TELOS AT T3 C18	
1810-5-250-046	TELOS AT T3 C18 5µm 250 x 4.6mmid
1810-5-150-046	TELOS AT T3 C18 5µm 150 x 4.6mmid

PART NUMBER	DESCRIPTION
1810-5-100-046	TELOS AT T3 C18 5µm 100 x 4.6mmid
1810-3-150-046	TELOS AT T3 C18 3µm 150 x 4.6mmid
1810-3-100-046	TELOS AT T3 C18 3µm 100 x 4.6mmid
TELOS AT HILIC Silica	
1846-5-250-046	TELOS AT HILIC Silica 5µm 250 x 4.6mmid
1846-5-150-046	TELOS AT HILIC Silica 5µm 150 x 4.6mmid
1846-5-100-046	TELOS AT HILIC Silica 5µm 100 x 4.6mmid
1846-3-150-046	TELOS AT HILIC Silica 3µm 150 x 4.6mmid
1846-3-100-046	TELOS AT HILIC Silica 3µm 100 x 4.6mmid

TELOS SP

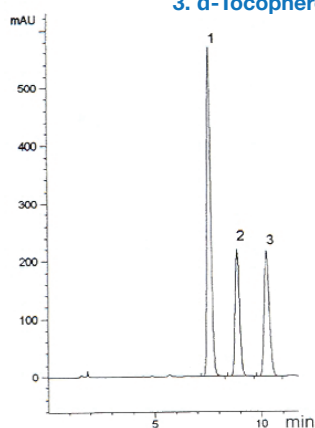
The TELOS SP Commercial Equivalent range is a replacement for Waters Spherisorb.

- **TELOS SP - available in 3, 5 and 10µm particle sizes**
- **TELOS SP - available in Silica, ODS1, ODS2, ODSB, C1, C6, C8, Phenyl, Cyano, Cyano RP, Amino, SAX and SCX bonded phases**
- **TELOS SP exhibits equivalent selectivity to Waters Spherisorb materials**

Long column lifetimes with consistent reproducibility are standard for the TELOS Commercial Equivalent Media Columns, and more importantly, excellent efficiencies, peak shape and resolution are obtained for all Waters Spherisorb HPLC applications. The TELOS SP range of particle sizes provides versatility from capillary and LC/MS to prep and process scale applications.

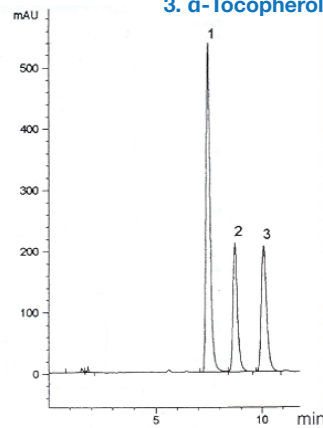
TELOS SP ODS2 150 x 4.6mm 5µm

Mobile Phase : Acetonitrile/Methanol (85:15, v/v)
 Flow Rate : 1.0ml/min
 Detection : UV @ 295nm
 Column Temp : 23°C
 Injection Volume : 5µl
 Sample : 1. δ-Tocopherol
 2. γ-Tocopherol
 3. α-Tocopherol



Waters Spherisorb ODS2 5µm 150 x 4.6mm

Mobile Phase : Acetonitrile/Methanol (85:15, v/v)
 Flow Rate : 1.0ml/min
 Detection : UV @ 295nm
 Column Temp : 23°C
 Injection Volume : 5µl
 Sample : 1. δ-Tocopherol
 2. γ-Tocopherol
 3. α-Tocopherol



PART NUMBER	DESCRIPTION
TELOS SP Silica	
1447-10-250-046	TELOS SP Silica 10µm 250 x 4.6mmid
1447-10-150-046	TELOS SP Silica 10µm 150 x 4.6mmid
1447-10-100-046	TELOS SP Silica 10µm 100 x 4.6mmid
1447-5-250-046	TELOS SP Silica 5µm 250 x 4.6mmid
1447-5-150-046	TELOS SP Silica 5µm 150 x 4.6mmid
1447-5-100-046	TELOS SP Silica 5µm 100 x 4.6mmid
1447-3-150-046	TELOS SP Silica 3µm 150 x 4.6mmid
1447-3-100-046	TELOS SP Silica 3µm 100 x 4.6mmid
TELOS SP ODS2	
1405-10-250-046	TELOS SP ODS2 10µm 250 x 4.6mmid
1405-10-150-046	TELOS SP ODS2 10µm 150 x 4.6mmid
1405-10-100-046	TELOS SP ODS2 10µm 100 x 4.6mmid
1405-5-250-046	TELOS SP ODS2 5µm 250 x 4.6mmid
1405-5-150-046	TELOS SP ODS2 5µm 150 x 4.6mmid
1405-5-100-046	TELOS SP ODS2 5µm 100 x 4.6mmid
1405-3-150-046	TELOS SP ODS2 3µm 150 x 4.6mmid
1405-3-100-046	TELOS SP ODS2 3µm 100 x 4.6mmid
TELOS SP ODS	
1403-10-250-046	TELOS SP ODS 10µm 250 x 4.6mmid
1403-10-150-046	TELOS SP ODS 10µm 150 x 4.6mmid
1403-10-100-046	TELOS SP ODS 10µm 100 x 4.6mmid
1403-5-250-046	TELOS SP ODS 5µm 250 x 4.6mmid
1403-5-150-046	TELOS SP ODS 5µm 150 x 4.6mmid
1403-5-100-046	TELOS SP ODS 5µm 100 x 4.6mmid

PART NUMBER	DESCRIPTION
1403-3-150-046	TELOS SP ODS 3µm 150 x 4.6mmid
1403-3-100-046	TELOS SP ODS 3µm 100 x 4.6mmid
TELOS SP ODSB	
1413-5-250-046	TELOS SP ODSB 5µm 250 x 4.6mmid
1413-5-150-046	TELOS SP ODSB 5µm 150 x 4.6mmid
1413-5-100-046	TELOS SP ODSB 5µm 100 x 4.6mmid
TELOS SP C8	
1419-10-250-046	TELOS SP C8 10µm 250 x 4.6mmid
1419-10-150-046	TELOS SP C8 10µm 150 x 4.6mmid
1419-10-100-046	TELOS SP C8 10µm 100 x 4.6mmid
1419-5-250-046	TELOS SP C8 5µm 250 x 4.6mmid
1419-5-150-046	TELOS SP C8 5µm 150 x 4.6mmid
1419-5-100-046	TELOS SP C8 5µm 100 x 4.6mmid
1419-3-150-046	TELOS SP C8 3µm 150 x 4.6mmid
1419-3-100-046	TELOS SP C8 3µm 100 x 4.6mmid
TELOS SP C6	
1426-10-250-046	TELOS SP C6 10µm 250 x 4.6mmid
1426-10-150-046	TELOS SP C6 10µm 150 x 4.6mmid
1426-10-100-046	TELOS SP C6 10µm 100 x 4.6mmid
1426-5-250-046	TELOS SP C6 5µm 250 x 4.6mmid
1426-5-150-046	TELOS SP C6 5µm 150 x 4.6mmid
1426-5-100-046	TELOS SP C6 5µm 100 x 4.6mmid
1426-3-150-046	TELOS SP C6 3µm 150 x 4.6mmid
1426-3-100-046	TELOS SP C6 3µm 100 x 4.6mmid

PART NUMBER	DESCRIPTION
TELOS SP C1	
1430-10-250-046	TELOS SP C1 10µm 250 x 4.6mmid
1430-10-150-046	TELOS SP C1 10µm 150 x 4.6mmid
1430-10-100-046	TELOS SP C1 10µm 100 x 4.6mmid
1430-5-250-046	TELOS SP C1 5µm 250 x 4.6mmid
1430-5-150-046	TELOS SP C1 5µm 150 x 4.6mmid
1430-5-100-046	TELOS SP C1 5µm 100 x 4.6mmid
1430-3-150-046	TELOS SP C1 3µm 150 x 4.6mmid
1430-3-100-046	TELOS SP C1 3µm 100 x 4.6mmid
TELOS SP Nitrile	
1438-10-250-046	TELOS SP Nitrile 10µm 250 x 4.6mmid
1438-10-150-046	TELOS SP Nitrile 10µm 150 x 4.6mmid
1438-10-100-046	TELOS SP Nitrile 10µm 100 x 4.6mmid
1438-5-250-046	TELOS SP Nitrile 5µm 250 x 4.6mmid
1438-5-150-046	TELOS SP Nitrile 5µm 150 x 4.6mmid
1438-5-100-046	TELOS SP Nitrile 5µm 100 x 4.6mmid
1438-3-150-046	TELOS SP Nitrile 3µm 150 x 4.6mmid
1438-3-100-046	TELOS SP Nitrile 3µm 100 x 4.6mmid
TELOS SP Amino	
1442-10-250-046	TELOS SP Amino 10µm 250 x 4.6mmid
1442-10-150-046	TELOS SP Amino 10µm 150 x 4.6mmid
1442-10-100-046	TELOS SP Amino 10µm 100 x 4.6mmid
1442-5-250-046	TELOS SP Amino 5µm 250 x 4.6mmid
1442-5-150-046	TELOS SP Amino 5µm 150 x 4.6mmid
1442-5-100-046	TELOS SP Amino 5µm 100 x 4.6mmid
1442-3-150-046	TELOS SP Amino 3µm 150 x 4.6mmid
1442-3-100-046	TELOS SP Amino 3µm 100 x 4.6mmid

PART NUMBER	DESCRIPTION
TELOS SP Phenyl	
1432-10-250-046	TELOS SP Phenyl 10µm 250 x 4.6mmid
1432-10-150-046	TELOS SP Phenyl 10µm 150 x 4.6mmid
1432-10-100-046	TELOS SP Phenyl 10µm 100 x 4.6mmid
1432-5-250-046	TELOS SP Phenyl 5µm 250 x 4.6mmid
1432-5-150-046	TELOS SP Phenyl 5µm 150 x 4.6mmid
1432-5-100-046	TELOS SP Phenyl 5µm 100 x 4.6mmid
1432-3-150-046	TELOS SP Phenyl 3µm 150 x 4.6mmid
1432-3-100-046	TELOS SP Phenyl 3µm 100 x 4.6mmid
TELOS SP SAX	
1444-10-250-046	TELOS SP SAX 10µm 250 x 4.6mmid
1444-10-150-046	TELOS SP SAX 10µm 150 x 4.6mmid
1444-10-100-046	TELOS SP SAX 10µm 100 x 4.6mmid
1444-5-250-046	TELOS SP SAX 5µm 250 x 4.6mmid
1444-5-150-046	TELOS SP SAX 5µm 150 x 4.6mmid
1444-5-100-046	TELOS SP SAX 5µm 100 x 4.6mmid
TELOS SP SCX	
1445-10-250-046	TELOS SP SCX 10µm 250 x 4.6mmid
1445-10-150-046	TELOS SP SCX 10µm 150 x 4.6mmid
1445-10-100-046	TELOS SP SCX 10µm 100 x 4.6mmid
1445-5-250-046	TELOS SP SCX 5µm 250 x 4.6mmid
1445-5-150-046	TELOS SP SCX 5µm 150 x 4.6mmid
1445-5-100-046	TELOS SP SCX 5µm 100 x 4.6mmid

TELOS IN

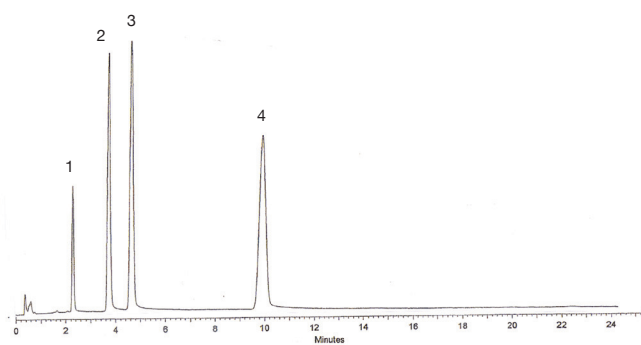
The TELOS IN Commercial Equivalent Media range is a replacement for GL Sciences Inertsil.

- **TELOS IN - available in 3 and 5µm particle sizes in the 100Å pore size and ODS3 bonded phase**
- **TELOS IN - available in 5µm particle sizes in the 150Å pore size and C8, ODS2 and Phenyl bonded phases**

Long column lifetimes with consistent reproducibility are standard for the TELOS Commercial Equivalent Media Columns, and more importantly, excellent efficiencies, peak shape and resolution are obtained for all GL Sciences Inertsil applications.

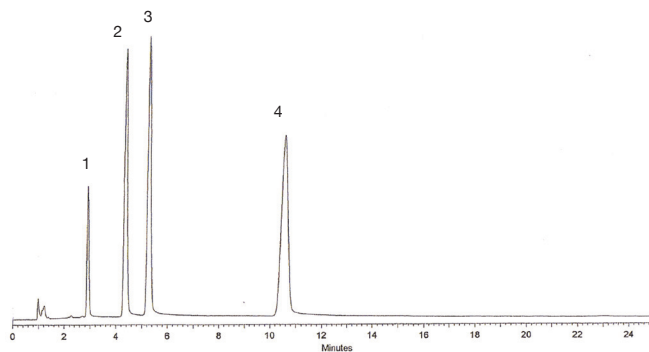
TELOS IN ODS3 5µm 150 x 4.6mm

Mobile Phase : 50/50, v/v Acetonitrile / 0.1M Ammonium Hydrogen Carbonate pH = 10
 Detection : UV @ 254nm
 Oven Temperature: 25°C
 Injection Volume : 5µl
 Sample : 1. Aniline
 2. 4-Chloroaniline
 3. N,Methylaniline
 4. N,N Dimethylaniline



Inertsil ODS3 5µm 150 x 4.6mm

Mobile Phase : 50/50, v/v Acetonitrile / 0.1M Ammonium Hydrogen Carbonate pH = 10
 Detection : UV @ 254nm
 Oven Temperature: 25°C
 Injection Volume : 5µl
 Sample : 1. Aniline
 2. 4-Chloroaniline
 3. N,Methylaniline
 4. N,N Dimethylaniline



PART NUMBER	DESCRIPTION
TELOS IN ODS2	
1905-5-250-046	TELOS IN ODS2 5µm 250 x 4.6mmid
1905-5-150-046	TELOS IN ODS2 5µm 150 x 4.6mmid
1905-5-100-046	TELOS IN ODS2 5µm 100 x 4.6mmid
TELOS IN ODS3	
1906-5-250-046	TELOS IN ODS3 5µm 250 x 4.6mmid
1906-5-150-046	TELOS IN ODS3 5µm 150 x 4.6mmid
1906-5-100-046	TELOS IN ODS3 5µm 100 x 4.6mmid
1906-3-150-046	TELOS IN ODS3 3µm 150 x 4.6mmid
1906-3-100-046	TELOS IN ODS3 3µm 100 x 4.6mmid

PART NUMBER	DESCRIPTION
TELOS IN C8	
1919-5-250-046	TELOS IN C8 5µm 250 x 4.6mmid
1919-5-150-046	TELOS IN C8 5µm 150 x 4.6mmid
1919-5-100-046	TELOS IN C8 5µm 100 x 4.6mmid
TELOS IN Phenyl	
1932-5-250-046	TELOS IN Phenyl 5µm 250 x 4.6mmid
1932-5-150-046	TELOS IN Phenyl 5µm 150 x 4.6mmid
1932-5-100-046	TELOS IN Phenyl 5µm 100 x 4.6mmid

TELOS HY, TELOS HY BDS AND TELOS HY GOLD

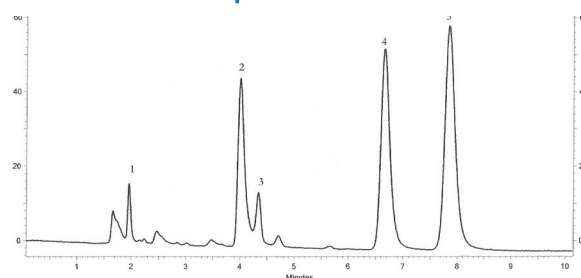
The TELOS HY, TELOS HY BDS and TELOS HY GOLD Commercial Equivalent Media ranges are replacements for Thermo Hypersil, Thermo Hypersil BDS and Thermo Hypersil GOLD respectively.

- **TELOS HY** - available in 3, 5 and 10µm particle sizes and ODS, ODS2, MOS, MOS2, SAS, Phenyl, Phenyl 2, CPS, CPS2 and APS2 bonded phases
- **TELOS HY BDS** - available in 3 and 5µm particle sizes and C8, C18, Cyano and Phenyl bonded phases
- **TELOS HY GOLD** – available in 1.8, 3 and 5µm particle sizes and C8, C18, AQ, PFP, Cyano and Phenyl bonded phases
- **TELOS HY, TELOS HY BDS and TELOS HY GOLD exhibit equivalent selectivity to Thermo Hypersil, Thermo Hypersil BDS and Thermo Hypersil GOLD**

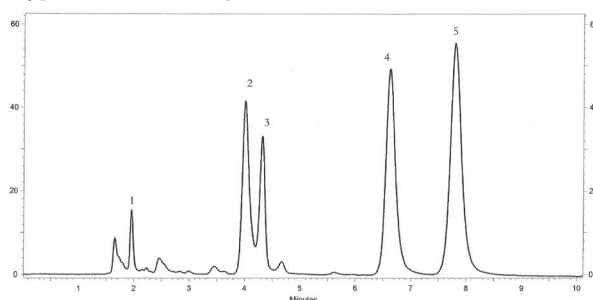
Long column lifetimes with consistent reproducibility are standard for the TELOS Commercial Equivalent Media Columns, and more importantly, excellent efficiencies, peak shape and resolution are obtained for all Thermo Hypersil, Thermo Hypersil BDS and Thermo Hypersil GOLD HPLC applications.

Mobile Phase : 80/20, v/v Methanol/Buffer (20mM Potassium Phosphate pH=7)
Flow Rate : 1.0ml/min
Detection : UV @ 225nm
Column Temp : 23°C
Injection Volume : 5µl
Sample : 1. Norephedrine
 2. Nortriptyline
 3. Toluene
 4. Imipramine
 5. Amitriptyline

TELOS HY BDS C18 5µm 150 x 4.6mm



Hypersil BDS C18 5µm 150 x 4.6mm



TELOS HY GOLD

PART NUMBER	DESCRIPTION
TELOS HY GOLD C18	
1109-5-250-046	TELOS HY Gold C18 5µm 250 x 4.6mmid
1109-5-150-046	TELOS HY Gold C18 5µm 150 x 4.6mmid
1109-5-100-046	TELOS HY Gold C18 5µm 100 x 4.6mmid
1109-3-150-046	TELOS HY Gold C18 3µm 150 x 4.6mmid
1109-3-100-046	TELOS HY Gold C18 3µm 100 x 4.6mmid
1109-2-100-021	TELOS HY Gold C18 1.8µm 100 x 2.1mmid
1109-2-050-021	TELOS HY Gold C18 1.8µm 50 x 2.1mmid
TELOS HY GOLD C8	
1122-5-250-046	TELOS HY Gold C8 5µm 250 x 4.6mmid
1122-5-150-046	TELOS HY Gold C8 5µm 150 x 4.6mmid
1122-5-100-046	TELOS HY Gold C8 5µm 100 x 4.6mmid
1122-3-150-046	TELOS HY Gold C8 3µm 150 x 4.6mmid
1122-3-100-046	TELOS HY Gold C8 3µm 100 x 4.6mmid
1122-2-100-021	TELOS HY Gold C8 1.8µm 100 x 2.1mmid
1122-2-050-021	TELOS HY Gold C8 1.8µm 50 x 2.1mmid
TELOS HY GOLD AQ	
1116-5-250-046	TELOS HY Gold AQ 5µm 250 x 4.6mmid
1116-5-150-046	TELOS HY Gold AQ 5µm 150 x 4.6mmid
1116-5-100-046	TELOS HY Gold AQ 5µm 100 x 4.6mmid
1116-3-150-046	TELOS HY Gold AQ 3µm 150 x 4.6mmid
1116-3-100-046	TELOS HY Gold AQ 3µm 100 x 4.6mmid
1116-2-100-021	TELOS HY Gold AQ 1.8µm 100 x 2.1mmid
1116-2-050-021	TELOS HY Gold AQ 1.8µm 50 x 2.1mmid

PART NUMBER	DESCRIPTION
TELOS HY GOLD C18	
1118-5-250-046	TELOS HY Gold PFP 5µm 250 x 4.6mmid
1118-5-150-046	TELOS HY Gold PFP 5µm 150 x 4.6mmid
1118-5-100-046	TELOS HY Gold PFP 5µm 100 x 4.6mmid
1118-3-150-046	TELOS HY Gold PFP 3µm 150 x 4.6mmid
1118-3-100-046	TELOS HY Gold PFP 3µm 100 x 4.6mmid
1118-2-100-021	TELOS HY Gold PFP 1.8µm 100 x 2.1mmid
1118-2-050-021	TELOS HY Gold PFP 1.8µm 50 x 2.1mmid
TELOS HY GOLD C8	
1140-5-250-046	TELOS HY Gold Cyano 5µm 250 x 4.6mmid
1140-5-150-046	TELOS HY Gold Cyano 5µm 150 x 4.6mmid
1140-5-100-046	TELOS HY Gold Cyano 5µm 100 x 4.6mmid
1140-3-150-046	TELOS HY Gold Cyano 3µm 150 x 4.6mmid
1140-3-100-046	TELOS HY Gold Cyano 3µm 100 x 4.6mmid
1140-2-100-021	TELOS HY Gold Cyano 1.8µm 100 x 2.1mmid
1140-2-050-021	TELOS HY Gold Cyano 1.8µm 50 x 2.1mmid
TELOS HY GOLD AQ	
1133-5-250-046	TELOS HY Gold Phenyl 5µm 250 x 4.6mmid
1133-5-150-046	TELOS HY Gold Phenyl 5µm 150 x 4.6mmid
1133-5-100-046	TELOS HY Gold Phenyl 5µm 100 x 4.6mmid
1133-3-150-046	TELOS HY Gold Phenyl 3µm 150 x 4.6mmid
1133-3-100-046	TELOS HY Gold Phenyl 3µm 100 x 4.6mmid
1133-2-100-021	TELOS HY Gold Phenyl 1.8µm 100 x 2.1mmid
1133-2-050-021	TELOS HY Gold Phenyl 1.8µm 50 x 2.1mmid

TELOS HY BDS

PART NUMBER	DESCRIPTION
TELOS HY BDS C18	
1114-5-250-046	TELOS HY BDS C18 5µm 250 x 4.6mmid
1114-5-150-046	TELOS HY BDS C18 5µm 150 x 4.6mmid
1114-5-100-046	TELOS HY BDS C18 5µm 100 x 4.6mmid
1114-3-150-046	TELOS HY BDS C18 3µm 150 x 4.6mmid
1114-3-100-046	TELOS HY BDS C18 3µm 100 x 4.6mmid
TELOS HY BDS C8	
1125-5-250-046	TELOS HY BDS C8 5µm 250 x 4.6mmid
1125-5-150-046	TELOS HY BDS C8 5µm 150 x 4.6mmid
1125-5-100-046	TELOS HY BDS C8 5µm 100 x 4.6mmid
1125-3-150-046	TELOS HY BDS C8 3µm 150 x 4.6mmid
1125-3-100-046	TELOS HY BDS C8 3µm 100 x 4.6mmid

TELOS HY

PART NUMBER	DESCRIPTION
TELOS HY ODS	
1103-10-250-046	TELOS HY ODS 10µm 250 x 4.6mmid
1103-10-150-046	TELOS HY ODS 10µm 150 x 4.6mmid
1103-10-100-046	TELOS HY ODS 10µm 100 x 4.6mmid
1103-5-250-046	TELOS HY ODS 5µm 250 x 4.6mmid
1103-5-150-046	TELOS HY ODS 5µm 150 x 4.6mmid
1103-5-100-046	TELOS HY ODS 5µm 100 x 4.6mmid
1103-3-150-046	TELOS HY ODS 3µm 150 x 4.6mmid
1103-3-100-046	TELOS HY ODS 3µm 100 x 4.6mmid
TELOS HY ODS2	
1105-5-250-046	TELOS HY ODS2 5µm 250 x 4.6mmid
1105-5-150-046	TELOS HY ODS2 5µm 150 x 4.6mmid
1105-5-100-046	TELOS HY ODS2 5µm 100 x 4.6mmid
1105-3-150-046	TELOS HY ODS2 3µm 150 x 4.6mmid
1105-3-100-046	TELOS HY ODS2 3µm 100 x 4.6mmid
TELOS HY MOS	
1123-10-250-046	TELOS HY MOS 10µm 250 x 4.6mmid
1123-10-150-046	TELOS HY MOS 10µm 150 x 4.6mmid
1123-10-100-046	TELOS HY MOS 10µm 100 x 4.6mmid
1123-5-250-046	TELOS HY MOS 5µm 250 x 4.6mmid
1123-5-150-046	TELOS HY MOS 5µm 150 x 4.6mmid
1123-5-100-046	TELOS HY MOS 5µm 100 x 4.6mmid
1123-3-150-046	TELOS HY MOS 3µm 150 x 4.6mmid
1123-3-100-046	TELOS HY MOS 3µm 100 x 4.6mmid
TELOS HY MOS2	
1124-10-250-046	TELOS HY MOS2 10µm 250 x 4.6mmid
1124-10-150-046	TELOS HY MOS2 10µm 150 x 4.6mmid
1124-10-100-046	TELOS HY MOS2 10µm 100 x 4.6mmid
1124-5-250-046	TELOS HY MOS2 5µm 250 x 4.6mmid
1124-5-150-046	TELOS HY MOS2 5µm 150 x 4.6mmid
1124-5-100-046	TELOS HY MOS2 5µm 100 x 4.6mmid
1124-3-150-046	TELOS HY MOS2 3µm 150 x 4.6mmid
1124-3-100-046	TELOS HY MOS2 3µm 100 x 4.6mmid
TELOS HY SAS	
1131-10-250-046	TELOS HY SAS 10µm 250 x 4.6mmid
1131-10-150-046	TELOS HY SAS 10µm 150 x 4.6mmid
1131-10-100-046	TELOS HY SAS 10µm 100 x 4.6mmid
1131-5-250-046	TELOS HY SAS 5µm 250 x 4.6mmid
1131-5-150-046	TELOS HY SAS 5µm 150 x 4.6mmid
1131-5-100-046	TELOS HY SAS 5µm 100 x 4.6mmid
1131-3-150-046	TELOS HY SAS 3µm 150 x 4.6mmid
1131-3-100-046	TELOS HY SAS 3µm 100 x 4.6mmid
TELOS HY Phenyl	
1132-10-250-046	TELOS HY Phenyl 10µm 250 x 4.6mmid
1132-10-150-046	TELOS HY Phenyl 10µm 150 x 4.6mmid
1132-10-100-046	TELOS HY Phenyl 10µm 100 x 4.6mmid
1132-5-250-046	TELOS HY Phenyl 5µm 250 x 4.6mmid
1132-5-150-046	TELOS HY Phenyl 5µm 150 x 4.6mmid

PART NUMBER	DESCRIPTION
TELOS HY BDS Phenyl	
1134-5-250-046	TELOS HY BDS Phenyl 5µm 250 x 4.6mmid
1134-5-150-046	TELOS HY BDS Phenyl 5µm 150 x 4.6mmid
1134-5-100-046	TELOS HY BDS Phenyl 5µm 100 x 4.6mmid
1134-3-150-046	TELOS HY BDS Phenyl 3µm 150 x 4.6mmid
1134-3-100-046	TELOS HY BDS Phenyl 3µm 100 x 4.6mmid
TELOS HY BDS C8	
1141-5-250-046	TELOS HY BDS Cyano 5µm 250 x 4.6mmid
1141-5-150-046	TELOS HY BDS Cyano 5µm 150 x 4.6mmid
1141-5-100-046	TELOS HY BDS Cyano 5µm 100 x 4.6mmid
1141-3-150-046	TELOS HY BDS Cyano 3µm 150 x 4.6mmid
1141-3-100-046	TELOS HY BDS Cyano 3µm 100 x 4.6mmid

PART NUMBER	DESCRIPTION
TELOS HY Phenyl	
1132-5-100-046	TELOS HY Phenyl 5µm 100 x 4.6mmid
1132-3-150-046	TELOS HY Phenyl 3µm 150 x 4.6mmid
1132-3-100-046	TELOS HY Phenyl 3µm 100 x 4.6mmid
TELOS HY Phenyl-2	
1135-10-250-046	TELOS HY Phenyl-2 10µm 250 x 4.6mmid
1135-10-150-046	TELOS HY Phenyl-2 10µm 150 x 4.6mmid
1135-10-100-046	TELOS HY Phenyl-2 10µm 100 x 4.6mmid
1135-5-250-046	TELOS HY Phenyl-2 5µm 250 x 4.6mmid
1135-5-150-046	TELOS HY Phenyl-2 5µm 150 x 4.6mmid
1135-5-100-046	TELOS HY Phenyl-2 5µm 100 x 4.6mmid
TELOS HY CPS	
1138-10-250-046	TELOS HY CPS 10µm 250 x 4.6mmid
1138-10-150-046	TELOS HY CPS 10µm 150 x 4.6mmid
1138-10-100-046	TELOS HY CPS 10µm 100 x 4.6mmid
1138-5-250-046	TELOS HY CPS 5µm 250 x 4.6mmid
1138-5-150-046	TELOS HY CPS 5µm 150 x 4.6mmid
1138-5-100-046	TELOS HY CPS 5µm 100 x 4.6mmid
1138-3-150-046	TELOS HY CPS 3µm 150 x 4.6mmid
1138-3-100-046	TELOS HY CPS 3µm 100 x 4.6mmid
TELOS HY CPS-2	
1139-10-250-046	TELOS HY CPS-2 10µm 250 x 4.6mmid
1139-10-150-046	TELOS HY CPS-2 10µm 150 x 4.6mmid
1139-10-100-046	TELOS HY CPS-2 10µm 100 x 4.6mmid
1139-5-250-046	TELOS HY CPS-2 5µm 250 x 4.6mmid
1139-5-150-046	TELOS HY CPS-2 5µm 150 x 4.6mmid
1139-5-100-046	TELOS HY CPS-2 5µm 100 x 4.6mmid
TELOS HY APS-2	
1143-10-250-046	TELOS HY APS-2 10µm 250 x 4.6mmid
1143-10-150-046	TELOS HY APS-2 10µm 150 x 4.6mmid
1143-10-100-046	TELOS HY APS-2 10µm 100 x 4.6mmid
1143-5-250-046	TELOS HY APS-2 5µm 250 x 4.6mmid
1143-5-150-046	TELOS HY APS-2 5µm 150 x 4.6mmid
1143-5-100-046	TELOS HY APS-2 5µm 100 x 4.6mmid
1143-3-150-046	TELOS HY APS-2 3µm 150 x 4.6mmid
1143-3-100-046	TELOS HY APS-2 3µm 100 x 4.6mmid
TELOS HY Silica	
1147-10-250-046	TELOS HY Silica 10µm 250 x 4.6mmid
1147-10-150-046	TELOS HY Silica 10µm 150 x 4.6mmid
1147-10-100-046	TELOS HY Silica 10µm 100 x 4.6mmid
1147-5-250-046	TELOS HY Silica 5µm 250 x 4.6mmid
1147-5-150-046	TELOS HY Silica 5µm 150 x 4.6mmid
1147-5-100-046	TELOS HY Silica 5µm 100 x 4.6mmid
1147-3-150-046	TELOS HY Silica 3µm 150 x 4.6mmid
1147-3-100-046	TELOS HY Silica 3µm 100 x 4.6mmid
TELOS HY SAX	
1144-5-250-046	TELOS HY SAX 5µm 250 x 4.6mmid
1144-5-150-046	TELOS HY SAX 5µm 150 x 4.6mmid
1144-5-100-046	TELOS HY SAX 5µm 100 x 4.6mmid

TELOS AC

The TELOS AC Commercial Equivalent Media range is a replacement for ACE.

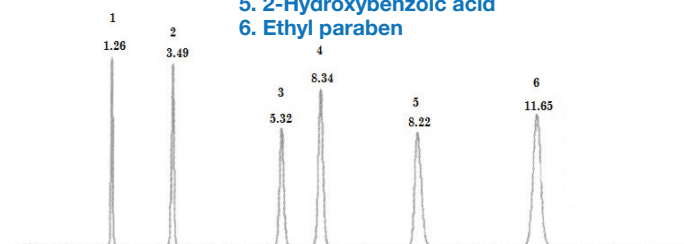
- The TELOS AC Commercial Equivalent Media range is identical to ACE
- TELOS AC - available in AQ, C18, C18 HL, C4, C8, CN and Phenyl bonded phases
- TELOS AC - is manufactured using ultra-pure silica exhibiting extremely low silanol activity
- TELOS AC - columns provide unsurpassed peak shapes and efficiencies even for the most challenging chromatographic applications

Long column lifetimes with consistent reproducibility are standard for the TELOS Commercial Equivalent Media Columns, and more importantly, excellent efficiencies, peak shape and resolution are obtained for all ACE HPLC applications.

TELOS AC C18 5µm 250 X 4.6mm

Mobile Phase : 35/65, v/v Acetonitrile/0.1%,
v/v TFA in Water
Flow Rate : 1.0ml/min
Detection : UV @ 254nm
Column Temp : 23°C
Injection Volume : 5µl
Sample :

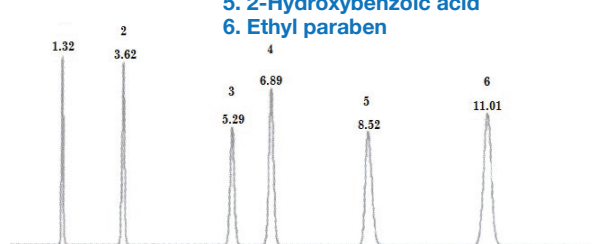
1. Uracil
2. 4-Hydroxybenzoic acid
3. Acetylsalicylic acid
4. Benzoic acid
5. 2-Hydroxybenzoic acid
6. Ethyl paraben



Advanced Chromatography Technologies ACE C18 5µm 250 X 4.6mm

Mobile Phase : 35/65, v/v Acetonitrile/0.1%,
v/v TFA in Water
Flow Rate : 1.0ml/min
Detection : UV @ 254nm
Column Temp : 23°C
Injection Volume : 5µl
Sample :

1. Uracil
2. 4-Hydroxybenzoic acid
3. Acetylsalicylic acid
4. Benzoic acid
5. 2-Hydroxybenzoic acid
6. Ethyl paraben



PART NUMBER	DESCRIPTION
TELOS AC AQ	
1350-5-250-046	TELOS AC AQ 5µm 250 x 4.6mmid
1350-5-150-046	TELOS AC AQ 5µm 150 x 4.6mmid
1350-5-100-046	TELOS AC AQ 5µm 100 x 4.6mmid
1305-5-250-046	TELOS AC AQ 3µm 150 x 4.6mmid
1305-5-150-046	TELOS AC AQ 3µm 100 x 4.6mmid
TELOS AC C18	
1305-5-100-046	TELOS AC C18 5µm 250 x 4.6mmid
1319-5-250-046	TELOS AC C18 5µm 150 x 4.6mmid
1319-5-150-046	TELOS AC C18 5µm 100 x 4.6mmid
1319-5-100-046	TELOS AC C18 3µm 150 x 4.6mmid
1306-10-250-046	TELOS AC C18 3µm 100 x 4.6mmid
TELOS AC C18 HL	
1306-10-150-046	TELOS AC C18 HL 5µm 250 x 4.6mmid
1305-5-100-046	TELOS AC C18 HL 5µm 150 x 4.6mmid
1319-5-250-046	TELOS AC C18 HL 5µm 100 x 4.6mmid
1319-5-150-046	TELOS AC C18 HL 3µm 150 x 4.6mmid
1319-5-100-046	TELOS AC C18 HL 3µm 100 x 4.6mmid
TELOS AC C4	
1306-10-250-046	TELOS AC C4 5µm 250 x 4.6mmid
1306-10-150-046	TELOS AC C4 5µm 150 x 4.6mmid

PART NUMBER	DESCRIPTION
1028-5-100-046	TELOS AC C4 5µm 100 x 4.6mmid
1028-3-150-046	TELOS AC C4 3µm 150 x 4.6mmid
1028-3-100-046	TELOS AC C4 3µm 100 x 4.6mmid
TELOS AC C8	
1019-5-250-046	TELOS AC C8 5µm 250 x 4.6mmid
1019-5-150-046	TELOS AC C8 5µm 150 x 4.6mmid
1019-5-100-046	TELOS AC C8 5µm 100 x 4.6mmid
1019-3-150-046	TELOS AC C8 3µm 150 x 4.6mmid
1019-3-100-046	TELOS AC C8 3µm 100 x 4.6mmid
TELOS AC CN	
1038-5-250-046	TELOS AC CN 5µm 250 x 4.6mmid
1038-5-150-046	TELOS AC CN 5µm 150 x 4.6mmid
1038-5-100-046	TELOS AC CN 5µm 100 x 4.6mmid
1038-3-150-046	TELOS AC CN 3µm 150 x 4.6mmid
1038-3-100-046	TELOS AC CN 3µm 100 x 4.6mmid
TELOS AC Phenyl	
1032-5-250-046	TELOS AC Phenyl 5µm 250 x 4.6mmid
1032-5-150-046	TELOS AC Phenyl 5µm 150 x 4.6mmid
1032-5-100-046	TELOS AC Phenyl 5µm 100 x 4.6mmid
1032-3-150-046	TELOS AC Phenyl 3µm 150 x 4.6mmid
1032-3-100-046	TELOS AC Phenyl 3µm 100 x 4.6mmid

GUARD CARTRIDGES

All TELOS HPLC Columns are supported by 1cm guard cartridges packed with the identical packing material.

Guard cartridges are available as a pack of 5 and are used with a direct connect cartridge holder (see below).

TELOS HPLC Guard Column Cartridges have a standard part number system, utilising the TELOS HPLC Column product code.

Example

Description: TELOS PFP 5µm 100 x 4.6mmid

Part Number: **3017-5-100-046**

product code

The product code in the above example is **3017**
The part number for the relevant guard cartridge is **3017-5-1-046**.

GUARD CARTRIDGE HOLDER

The direct connect TELOS Guard Cartridge Holder is used with the 4.6mmid TELOS Guard Cartridges. Ordering information is as follows:

PART NUMBER	DESCRIPTION
9000-1-001	TELOS Guard Cartridge Holder

SPECIFICATIONS

Full specifications for the TELOS materials and columns are available by visiting your local Kinesis website shown at the bottom of the page.

EVALUATION COLUMNS

Kinesis TELOS HPLC and UHPLC columns are available for evaluation. To find out further information go to your local Kinesis website shown at the bottom of the page.

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