

**TELOS** 

# HPLC AND UHPLC COLUMNS

**300Å C4  
and low bleed PFP  
now available**

- Comprehensive range of high density bonded phases producing robust materials
- Wide range of selectivities utilising bonded phases from C8, C18, C18 Acid/Base Deactivated and C18 Polar phases to Silica HILIC and Cyano
- Unique selectivities of Phenyl Hexyl and Penta Fluoro Phenyl
- Low bleed Penta Fluoro Phenyl and mass spec optimised C18
- 300Å C4 for peptides and proteins

Kinesis has developed a range of TELOS® HPLC and UHPLC Columns. Expertise in high purity silica selection, surface modification, high density bonding technology and column packing technology has enabled Kinesis to produce high quality materials which encompass a vast range in selectivities. TELOS HPLC and UHPLC Columns provide superior reliability, reproducibility and performance, with excellent selectivity.

TELOS HPLC & UHPLC Columns are available packed with a variety of standard and wide pore materials, and optimum column geometries for 1.8, 3 and 5µm particle sizes.



[kinesis-group.com](http://kinesis-group.com)

 **Kinesis**  
Scientific Experts

# TELOS PRODUCT OVERVIEW

All **TELOS HPLC Columns** are individually tested, confirming efficiency and peak asymmetry, and ensuring the columns pass 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 Columns**.

The TELOS HPLC and UHPLC Column range of bonded phases includes:

**TELOS C8 and C18** - highly base deactivated phases, resulting in the most inert silica based C8 and C18 materials available. High density bonding levels ( $4\mu\text{mol}/\text{m}^2$ ) result in columns with superior peak shapes, reproducibility and selectivity over a wide pH range (pH 1-12).

**TELOS C18 AB-D** - specially deactivated to produce superior peak shapes and performance for amines and acids. Kinesis ultra pure silica selection, proprietary bonding, endcapping reagents and procedures yield columns that are much more resistant to degradation by acidic and basic mobile phase compositions, while improving peak shapes for amines and acids as a result of the reduced negative surface interactions.

**TELOS C18 Polar** - a high density packing specifically engineered for the retention of polar analytes, producing superior hydrophobic performance even when utilising 100% aqueous mobile phases.

**TELOS PFP** - Penta Fluoro Phenyl (PFP) is a hydrophobic phase with alternative selectivity when compared to classical C18 materials. The separation process is based on 4 different retention mechanisms ( $\pi$ - $\pi$ , dipole-dipole, polar (H bonds) and hydrophobic interactions). The PFP phase is recommended for the separation of aromatic and unsaturated compounds, phenols, halogenated compounds, isomers, polar compounds and the retention of basic compounds.

**TELOS PFP-LB** - a penta fluoro phenyl that has been baseline stabilised and is ideal for high performance separations including natural products, halogenated compounds, aromatics, conjugated compounds and trace impurities in complex matrices. Many of these high performance separations were not possible with existing PFP columns, particularly in the area of trace impurities, where baseline bleed levels were unacceptable.

**TELOS Phenyl Hexyl** - exhibits unique selectivity and comprises a hexyl linker and a phenyl ring. The Kinesis dense bonding process and the presence of the hexyl linker reduces bonded phase hydrolysis and increases chemical stability. Applications include an increased retention for polar, aromatic and amine compounds.

**TELOS MSP C4 300Å** - consists of butyl aliphatic groups bonded to the surface of 300Å pore diameter ultra high purity silica. TELOS MSP C4 300Å can be used to separate glycoproteins, haemoglobin variants, human growth hormone and membrane proteins.

**TELOS Cyano** - because of its properties, Cyano may be employed in both normal phase and reversed phase. When it is used as normal phase, the rapid equilibration with mobile phase will make it more convenient to use than silica columns, especially for gradient elution applications. It is ideal for the separation of aromatic alcohols, pesticides and broad ranges of pharmaceuticals, including steroids and analgesics. In reversed phase applications TELOS Cyano is less retentive than C18 and C8. Applications include the retention and separation of strongly basic analytes, fast elution of hydrophobic molecules, a unique selectivity, good peak shape for polar and compatibility with highly aqueous mobile phases.

**TELOS Silica HILIC** - used in conjunction with highly concentrated organic mobile phases (>85%, v/v acetonitrile) to enhance the retention of polar analytes which are unretained in reverse phase conditions.

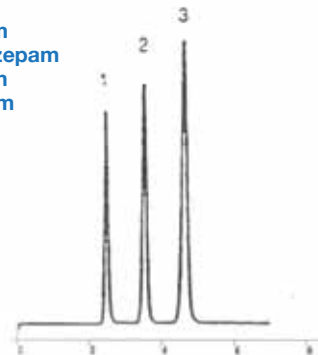
# TELOS HPLC COLUMNS

- Available from stock in 3 and 5µm particle sizes
- Available from stock in Silica, C8, C18 AB-D, C18 Polar, PFP (Penta Fluoro Phenyl), Phenyl Hexyl, CN and HILIC bonded phases
- 300Å C4 for peptides and proteins
- TELOS Columns are also available in Phenyl bonded materials upon special request

## TELOS HPLC COLUMNS

### TELOS Phenyl Hexyl 150 X 4.6mm 5µm

Mobile Phase : Acetonitrile/Water (80:20, v/v)  
 Flow Rate : 1.0ml/min  
 Detection : UV @ 235nm  
 Sample : 1. Lormetazepam  
 2. Diazepam  
 3. Oxazepam



PART NUMBER	DESCRIPTION
<b>TELOS C18</b>	
3000-5-250-046	TELOS C18 5µm 250 x 4.6mmid
3000-5-150-046	TELOS C18 5µm 150 x 4.6mmid
3000-5-100-046	TELOS C18 5µm 100 x 4.6mmid
3000-3-150-046	TELOS C18 3µm 150 x 4.6mmid
3000-3-100-046	TELOS C18 3µm 100 x 4.6mmid
<b>TELOS C18 AB-D</b>	
3001-5-250-046	TELOS C18 AB-D C18 5µm 250 x 4.6mmid
3001-5-150-046	TELOS C18 AB-D C18 5µm 150 x 4.6mmid
3001-5-100-046	TELOS C18 AB-D C18 5µm 100 x 4.6mmid
3001-3-150-046	TELOS C18 AB-D C18 3µm 150 x 4.6mmid
3001-3-100-046	TELOS C18 AB-D C18 3µm 100 x 4.6mmid
<b>TELOS C18 Polar</b>	
3002-5-250-046	TELOS C18 Polar 5µm 250 x 4.6mmid
3002-5-150-046	TELOS C18 Polar 5µm 150 x 4.6mmid
3002-5-100-046	TELOS C18 Polar 5µm 100 x 4.6mmid
3002-3-150-046	TELOS C18 Polar 3µm 150 x 4.6mmid
3002-3-100-046	TELOS C18 Polar 3µm 100 x 4.6mmid
<b>TELOS C8</b>	
3019-5-250-046	TELOS C8 5µm 250 x 4.6mmid
3019-5-150-046	TELOS C8 5µm 150 x 4.6mmid
3019-5-100-046	TELOS C8 5µm 100 x 4.6mmid
3019-3-150-046	TELOS C8 3µm 150 x 4.6mmid
3019-3-100-046	TELOS C8 3µm 100 x 4.6mmid

PART NUMBER	DESCRIPTION
<b>TELOS PFP</b>	
3017-5-250-046	TELOS PFP 5µm 250 x 4.6mmid
3017-5-150-046	TELOS PFP 5µm 150 x 4.6mmid
3017-5-100-046	TELOS PFP 5µm 100 x 4.6mmid
3017-3-150-046	TELOS PFP 3µm 150 x 4.6mmid
3017-3-100-046	TELOS PFP 3µm 100 x 4.6mmid
<b>TELOS Phenyl Hexyl</b>	
3037-5-250-046	TELOS Phenyl Hexyl 5µm 250 x 4.6mmid
3037-5-150-046	TELOS Phenyl Hexyl 5µm 150 x 4.6mmid
3037-5-100-046	TELOS Phenyl Hexyl 5µm 100 x 4.6mmid
3037-3-150-046	TELOS Phenyl Hexyl 3µm 150 x 4.6mmid
3037-3-100-046	TELOS Phenyl Hexyl 3µm 100 x 4.6mmid
<b>TELOS Cyano</b>	
3038-5-250-046	TELOS Cyano 5µm 250 x 4.6mmid
3038-5-150-046	TELOS Cyano 5µm 150 x 4.6mmid
3038-5-100-046	TELOS Cyano 5µm 100 x 4.6mmid
3038-3-150-046	TELOS Cyano 3µm 150 x 4.6mmid
3038-3-100-046	TELOS Cyano 3µm 100 x 4.6mmid
<b>TELOS Silica HILIC</b>	
3046-5-250-046	TELOS Silica HILIC 5µm 250 x 4.6mmid
3046-5-150-046	TELOS Silica HILIC 5µm 150 x 4.6mmid
3046-5-100-046	TELOS Silica HILIC 5µm 100 x 4.6mmid
3046-3-150-046	TELOS Silica HILIC 3µm 150 x 4.6mmid
3046-3-100-046	TELOS Silica HILIC 3µm 100 x 4.6mmid

## TELOS MSP C4 300Å – Analysis of Peptides and Proteins

TELOS MSP C4 300Å is specifically developed for the analysis of peptides and proteins. Available in both 2.1 and 4.6mmid columns, the butyl stationary phase provides excellent separation of glycoproteins, haemoglobin variants, human growth hormone and membrane proteins

PART NUMBER	DESCRIPTION
<b>TELOS MSP C4 300Å</b>	
3059-5-100-021	TELOS MSP C4 5µm 300Å 100 x 2.1mmid
3059-5-050-021	TELOS MSP C4 5µm 300Å 50 x 2.1mmid
3059-5-150-046	TELOS MSP C4 5µm 300Å 150 x 4.6mmid
3059-5-100-046	TELOS MSP C4 5µm 300Å 100 x 4.6mmid

# TELOS UHPLC COLUMNS

- Available in 1.8µm particle size
- Available in Silica, C8, C18 AB-D, C18 Polar, PFP (Penta Fluoro Phenyl), Phenyl Hexyl, CN and HILIC bonded phases
- Low bleed Penta Fluoro Phenyl and mass spec optimised C18
- 300Å C4 for peptides and proteins
- TELOS Columns are also available in Phenyl bonded materials on special request
- TELOS UHPLC columns provide the highest resolution over a wide variety flow rate conditions and mobile phase compositions

TELOS UHPLC 1.8µm columns are specifically designed for use with ultra high pressure liquid chromatographs.

These columns have been engineered for chromatography at pressures up to 19,000psi. Expertise in high purity silica selection, surface modification, high density bonding technology and column packing technology has enabled Kinesis to develop high quality materials based on the 1.8µm particle technology.

TELOS C18 MSO is a fully porous C18 optimised for use with LC-MS applications.

TELOS MSP C4 300Å is also available in 2.1mmid column geometries for high performance bio molecule separations.

PART NUMBER	DESCRIPTION
<b>TELOS C18</b>	
3000-2-100-021	TELOS C18 1.8µm 100 x 2.1mmid
3000-2-050-021	TELOS C18 1.8µm 50 x 2.1mmid
<b>TELOS C18 AB-D C18</b>	
3001-2-100-021	TELOS C18 AB-D C18 1.8µm 100 x 2.1mmid
3001-2-050-021	TELOS C18 AB-D C18 1.8µm 50 x 2.1mmid
<b>TELOS C8</b>	
3019-2-100-021	TELOS C8 1.8µm 100 x 2.1mmid
3019-2-050-021	TELOS C8 1.8µm 50 x 2.1mmid
<b>TELOS PFP</b>	
3017-2-100-021	TELOS PFP 1.8µm 100 x 2.1mmid
3017-2-050-021	TELOS PFP 1.8µm 50 x 2.1mmid
<b>TELOS PFP-LB</b>	
3067-2-100-021	TELOS PFP-LB 100 x 2.1mmid
3067-2-050-021	TELOS PFP-LB 50 x 2.1mmid

## TELOS UHPLC Chromatograms

### TELOS C18 Polar 1.8µm 10cm x 2.1mm

Mobile Phase : CH<sub>3</sub>CN/0.05M KH<sub>2</sub>PO<sub>4</sub>  
(10:90, v/v) pH = 3.2  
Flow Rate : 0.4ml/min  
Detection : UV @ 254nm  
Temperature : Ambient

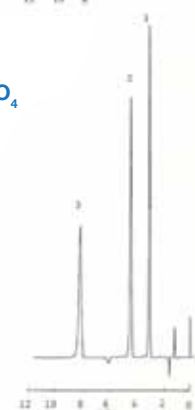
1. Procainamide HCL
2. (+)-V-Ephedrine HCL
3. Acetaminophen
4. Caffeine



### TELOS PFP 1.8µm 10cm x 2.1mm

Mobile Phase : CH<sub>3</sub>CN/0.05M KH<sub>2</sub>PO<sub>4</sub>  
(10:90, v/v) pH = 3.2  
Flow Rate : 0.4ml/min  
Detection : UV @ 254nm  
Temperature : Ambient

1. Theobromine
2. Theophylline
3. Caffeine



PART NUMBER	DESCRIPTION
<b>TELOS Phenyl Hexyl</b>	
3037-2-100-021	TELOS Phenyl Hexyl 1.8µm 100 x 2.1mmid
3037-2-050-021	TELOS Phenyl Hexyl 1.8µm 50 x 2.1mmid
<b>TELOS C18 MSO</b>	
3068-5-100-021	TELOS C18 MSO 2.3µm 100 x 2.1mmid
3068-5-050-021	TELOS C18 MSO 2.3µm 50 x 2.1mmid
<b>TELOS Cyano</b>	
3038-2-100-021	TELOS Cyano 1.8µm 100 x 2.1mmid
3038-2-050-021	TELOS Cyano 1.8µm 50 x 2.1mmid
<b>TELOS Silica</b>	
3046-2-100-021	TELOS Silica HILIC 1.8µm 100 x 2.1mmid
3046-2-050-021	TELOS Silica HILIC 1.8µm 50 x 2.1mmid
<b>TELOS C18 Polar</b>	
3002-2-100-021	TELOS C18 Polar 1.8µm 100 x 2.1mmid
3002-2-050-021	TELOS C18 Polar 1.8µm 50 x 2.1mmid

## TELOS HPLC Columns Method Development Kit

The TELOS HPLC Method Development Kit permits the chromatographer to rapidly evaluate a selection of bonded phases with different selectivities for routine analysis. Once resolution is obtained (either partial or total) with a particular phase then the exact column configuration and size can be determined to perfect the HPLC separation.

PART NUMBER	DESCRIPTION
9000-3-100-046	TELOS HPLC Method Development Kit 3µm 100 x 4.6mmid*

\*includes one column of each of the following:

1. TELOS C18
2. TELOS PFP
3. TELOS C18 Polar
4. TELOS Silica HILIC
5. TELOS Cyano

## TELOS UHPLC Columns Method Development Kit

The TELOS HPLC Method Development Kit permits the chromatographer to rapidly evaluate a selection of bonded phases with different selectivities for routine analysis. Once resolution is obtained (either partial or total) with a particular phase then the exact column configuration and size can be determined to perfect the HPLC separation.

PART NUMBER	DESCRIPTION
9000-3-100-046	TELOS HPLC Method Development Kit 3µm 100 x 4.6mmid*

\*includes one column of each of the following:

1. TELOS C18
2. TELOS PFP
3. TELOS C18 Polar
4. TELOS Silica HILIC
5. TELOS Cyano

## 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.

# Global Kinesis

**Kinesis is a leading international supplier of chromatography, liquid handling, sample storage and medicinal chemistry consumables and equipment. The company's products are used extensively in the pharmaceutical, environmental, forensic, life sciences, food, biotechnology and academic markets.**

A privately owned company, Kinesis was established in 1997 and offers its customers a range of first class products, services and solutions. Kinesis has expanded its reach internationally with subsidiary offices in Australia, Germany and the USA. A network of international distributors ensures the Kinesis range of products is available on a worldwide basis.

Kinesis work with industry leading manufacturers, many on a global exclusive or preferred supplier basis. Key suppliers to the Kinesis Group include AccuStandard, Cerilliant, ChromSword, Corning, Diba Industries, GL Sciences, Hamamatsu, Heraeus, HTL, IDEX Health & Science, Lipomed, Micronic, Microsaic, Parker domnick hunter, SGE Analytical Science, Tosoh Bioscience and YMC.

The Kinesis UK facility houses state of art processes for the pre-alignment of deuterium lamps. Approved by the world's two leading lamp manufacturers, Hamamatsu and Heraeus, these accredited processes have helped Kinesis become the world's largest 3<sup>rd</sup> party provider of pre-aligned deuterium lamps. Pipette service and calibration suites at both the UK and German locations offer back to base or field-based pipette service and calibration. The UK facility is UKAS accredited, offering services in line with today's market requirements.

KLTD-1536-0915



TELOS is a registered trademark of Kinesis Ltd.  
Kinesis recognises all trademarks and registered trademarks. E&OE

 **Kinesis**  
Scientific Experts

[sales@kinesis-group.com](mailto:sales@kinesis-group.com) [kinesis-group.com](http://kinesis-group.com)





# HPLC AND UHPLC COLUMNS

## *Commercial Equivalent Media Range*

- Comprehensive range of Commercial Equivalent Media - replacement for original manufacturer phases
- Phenomenex Luna<sup>®</sup> and Prodigy<sup>™</sup>, Waters<sup>®</sup> SunFire<sup>™</sup>, Symmetry<sup>®</sup> SymmetryShield<sup>™</sup> and  $\mu$ Bondapak<sup>®</sup>, Atlantis<sup>®</sup> and Spherisorb<sup>®</sup> GL Sciences Inertsil<sup>®</sup>, Thermo Fisher Scientific<sup>®</sup> Hypersil<sup>®</sup>, Hypersil BDS<sup>®</sup> and Hypersil GOLD<sup>®</sup> and Advanced Chromatography Technologies ACE<sup>®</sup>
- 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.

# 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

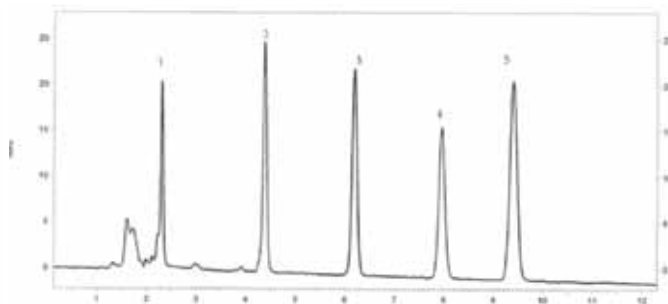
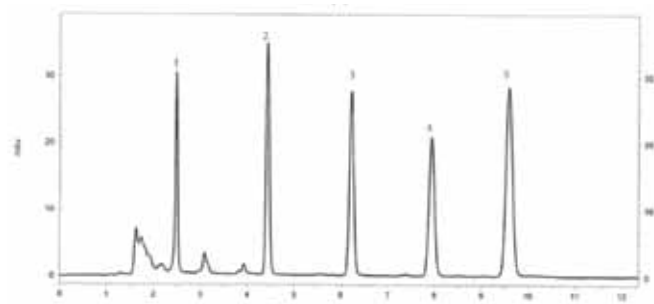
**Mobile Phase :** 70/30, v/v  
Acetonitrile/Water  
**Flow Rate :** 1.0ml/min  
**Detection :** UV @ 254nm  
**Temp :** Ambient Injection  
**Volume :** 5µl

**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
<b>TELOS LU Silica(2)</b>	
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
<b>TELOS LU C18(2)</b>	
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
<b>TELOS LU C18</b>	
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
<b>TELOS LU C8(2)</b>	
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
<b>TELOS LU C8</b>	
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
<b>TELOS LU C5</b>	
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
<b>TELOS LU Phenyl Hexyl</b>	
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
<b>TELOS LU Cyano</b>	
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
<b>TELOS LU NH2</b>	
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

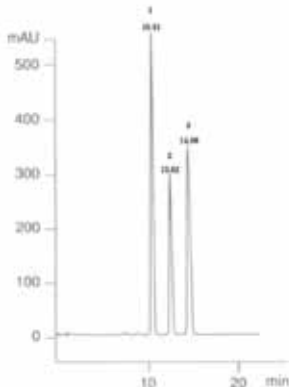
The TELOS PR Commercial Equivalent Media range is a replacement for Phenomenex Prodigy.

- **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.

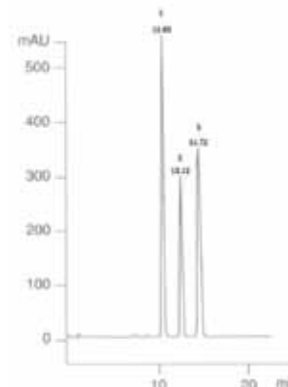
## TELOS PR ODS2 5µm, 150 X 4.6mm

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
<b>TELOS PR Silica</b>	
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
<b>TELOS PR ODS (2)</b>	
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
<b>TELOS PR C8</b>	
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
<b>TELOS PR ODS (3)</b>	
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
<b>TELOS PR Phenyl (3)</b>	
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
<b>TELOS PR Silica</b>	
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
<b>TELOS PR Silica (3)</b>	
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

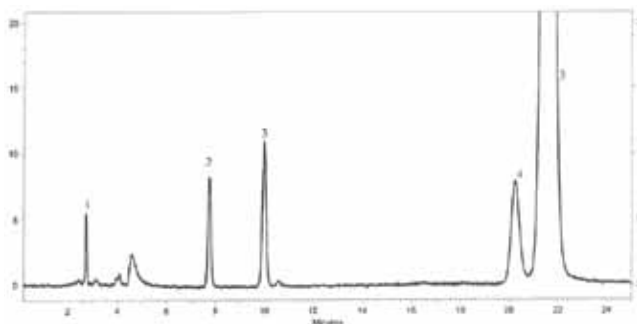
The TELOS SU Commercial Equivalent Media range is a replacement for Waters SunFire.

- **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.

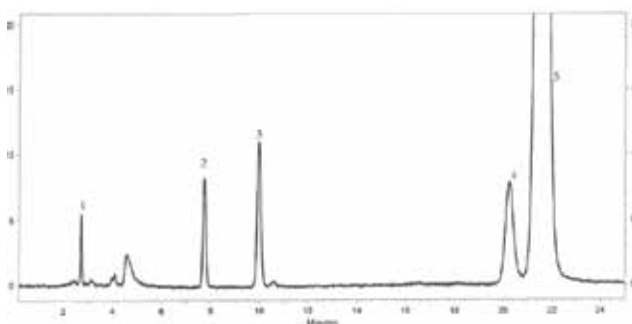
## TELOS SU C18 5µm, 250 x 4.6mm

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
<b>TELOS SU C18</b>	
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
<b>TELOS SU C8</b>	
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
<b>TELOS SU Silica</b>	
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

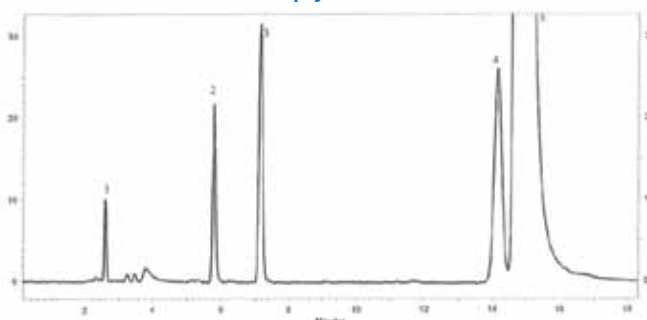
The TELOS SY and TELOS SY SH Commercial Equivalent Media ranges are replacements for Waters Symmetry and SymmetryShield.

- **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.

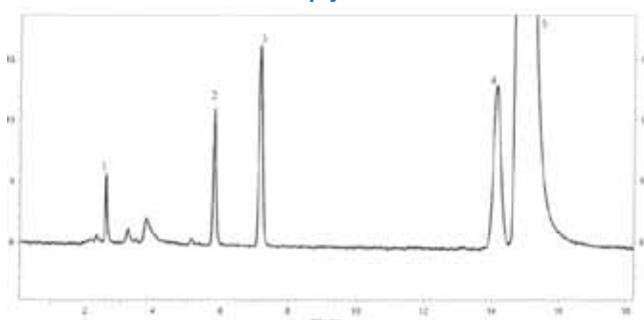
## TELOS SY C18 5µm, 250 x 4.6mm

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
<b>TELOS SY C18</b>	
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
<b>TELOS SY C8</b>	
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
<b>TELOS SY 300 C18</b>	
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

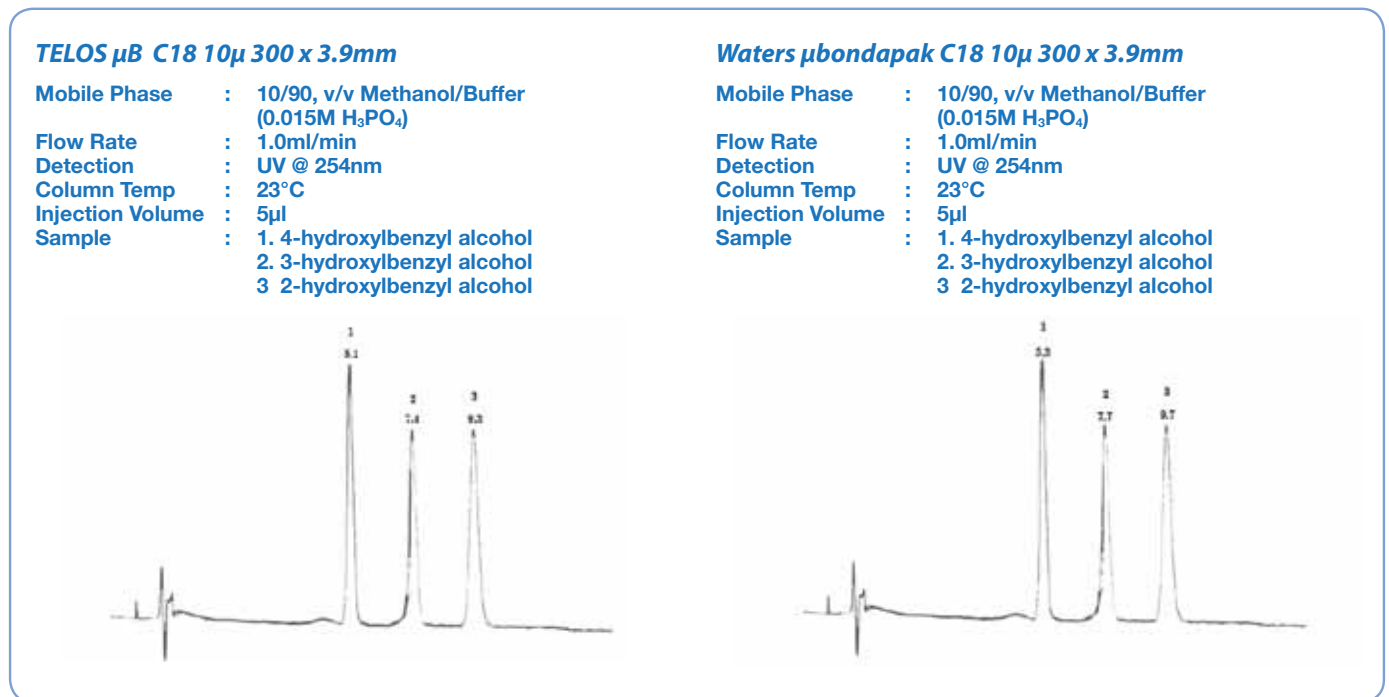
PART NUMBER	DESCRIPTION
<b>TELOS SY 300 C4</b>	
1629-5-250-046	TELOS SY 300 C4 5µm 250 x 4.6mmid
1629-5-150-046	TELOS SY 300 C4 5µm 150 x 4.6mmid
1629-5-100-046	TELOS SY 300 C4 5µm 100 x 4.6mmid
1629-3-150-046	TELOS SY 300 C4 3.5µm 150 x 4.6mmid
1629-3-100-046	TELOS SY 300 C4 3.5µm 100 x 4.6mmid
<b>TELOS SY SH RP18</b>	
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
<b>TELOS SY SH RP8</b>	
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 $\mu$ B

The TELOS  $\mu$ B Commercial Equivalent Media range is a replacement for Waters  $\mu$ Bondapak.

- TELOS  $\mu$ B - available in 5 and 10 $\mu$ m particle sizes and is irregular in particle geometry
- TELOS  $\mu$ B - available in C18, Phenyl, Cyano and Amino bonded phases
- TELOS  $\mu$ B 5 $\mu$ m particle size materials permits faster and more efficient separations than the standard 10 $\mu$ 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  $\mu$ Bondapak HPLC applications.



PART NUMBER	DESCRIPTION
<b>TELOS <math>\mu</math>B C18</b>	
1700-10-250-046	TELOS $\mu$ B C18 10 $\mu$ m 250 x 4.6mmid
1700-10-150-046	TELOS $\mu$ B C18 10 $\mu$ m 150 x 4.6mmid
1700-10-100-046	TELOS $\mu$ B C18 10 $\mu$ m 100 x 4.6mmid
1700-5-250-046	TELOS $\mu$ B C18 5 $\mu$ m 250 x 4.6mmid
1700-5-150-046	TELOS $\mu$ B C18 5 $\mu$ m 150 x 4.6mmid
1700-5-100-046	TELOS $\mu$ B C18 5 $\mu$ m 100 x 4.6mmid
<b>TELOS <math>\mu</math>B Phenyl</b>	
1732-10-250-046	TELOS $\mu$ B Phenyl 10 $\mu$ m 250 x 4.6mmid
1732-10-150-046	TELOS $\mu$ B Phenyl 10 $\mu$ m 150 x 4.6mmid
1732-10-100-046	TELOS $\mu$ B Phenyl 10 $\mu$ m 100 x 4.6mmid
1732-5-250-046	TELOS $\mu$ B Phenyl 5 $\mu$ m 250 x 4.6mmid
1732-5-150-046	TELOS $\mu$ B Phenyl 5 $\mu$ m 150 x 4.6mmid
1732-5-100-046	TELOS $\mu$ B Phenyl 5 $\mu$ m 100 x 4.6mmid

PART NUMBER	DESCRIPTION
<b>TELOS <math>\mu</math>B Cyano</b>	
1600-5-250-046	TELOS $\mu$ B Cyano 10 $\mu$ m 250 x 4.6mmid
1600-5-150-046	TELOS $\mu$ B Cyano 10 $\mu$ m 150 x 4.6mmid
1600-5-100-046	TELOS $\mu$ B Cyano 10 $\mu$ m 100 x 4.6mmid
1600-5-100-046	TELOS $\mu$ B Cyano 5 $\mu$ m 250 x 4.6mmid
1600-5-100-046	TELOS $\mu$ B Cyano 5 $\mu$ m 250 x 4.6mmid
1600-3-150-046	TELOS $\mu$ B Cyano 5 $\mu$ m 150 x 4.6mmid
1600-3-100-046	TELOS $\mu$ B Cyano 5 $\mu$ m 100 x 4.6mmid
<b>TELOS <math>\mu</math>B NH<sub>2</sub></b>	
1742-10-250-046	TELOS $\mu$ B NH <sub>2</sub> 10 $\mu$ m 250 x 4.6mmid
1742-10-150-046	TELOS $\mu$ B NH <sub>2</sub> 10 $\mu$ m 150 x 4.6mmid
1742-10-100-046	TELOS $\mu$ B NH <sub>2</sub> 10 $\mu$ m 100 x 4.6mmid
1742-5-250-046	TELOS $\mu$ B NH <sub>2</sub> 5 $\mu$ m 250 x 4.6mmid
1742-5-150-046	TELOS $\mu$ B NH <sub>2</sub> 5 $\mu$ m 150 x 4.6mmid
1742-5-100-046	TELOS $\mu$ B NH <sub>2</sub> 5 $\mu$ m 100 x 4.6mmid

# TELOS AT

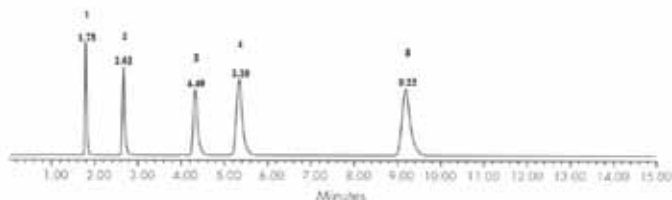
The TELOS AT Commercial Equivalent Media range is a replacement for Waters Atlantis.

- **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.

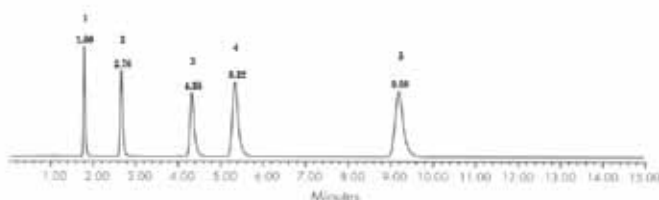
## TELOS AT dC18 5µm 150 x 4.6mm

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
<b>TELOS AT</b>	
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
<b>TELOS AT T3 C18</b>	
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
<b>TELOS AT HILIC Silica</b>	
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

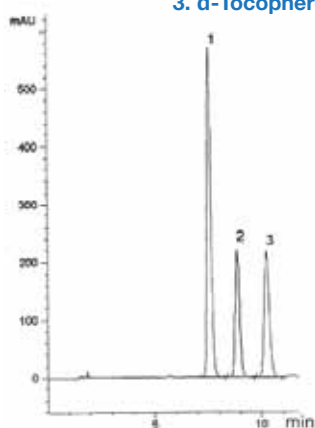
The TELOS SP Commercial Equivalent range is a replacement for Waters Spherisorb.

- **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.

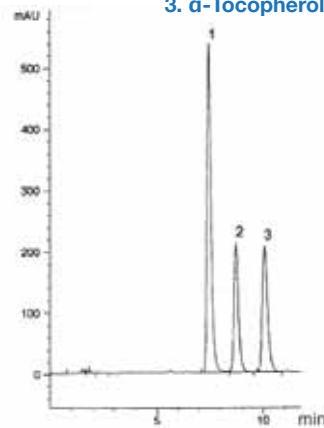
## TELOS SP ODS2 150 x 4.6mm 5µm

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
<b>TELOS SP Silica</b>	
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
<b>TELOS SP ODS2</b>	
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
<b>TELOS SP ODS</b>	
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
<b>TELOS SP ODSB</b>	
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
<b>TELOS SP C8</b>	
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
<b>TELOS SP C6</b>	
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
<b>TELOS SP C1</b>	
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
<b>TELOS SP Nitrile</b>	
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
<b>TELOS SP Amino</b>	
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
<b>TELOS SP Phenyl</b>	
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
<b>TELOS SP SAX</b>	
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
<b>TELOS SP SCX</b>	
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

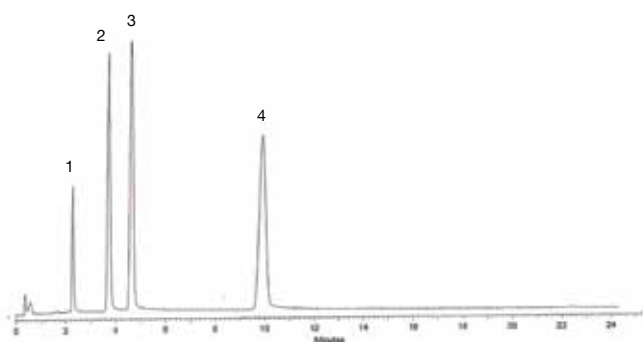
The TELOS IN Commercial Equivalent Media range is a replacement for GL Sciences Inertsil.

- **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.

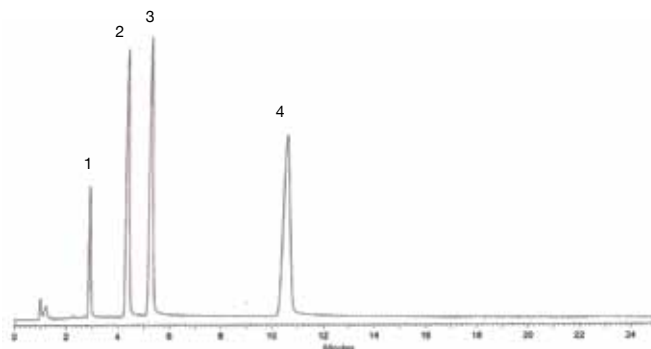
## TELOS IN ODS3 5µm 150 x 4.6mm

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
<b>TELOS IN ODS2</b>	
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
<b>TELOS IN ODS3</b>	
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
<b>TELOS IN C8</b>	
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
<b>TELOS IN Phenyl</b>	
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

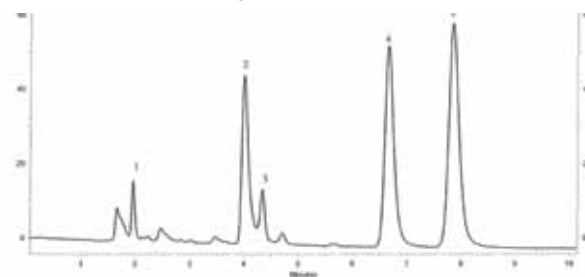
The TELOS HY, TELOS HY BDS and TELOS HY GOLD Commercial Equivalent Media ranges are replacements for Thermo Hypersil, Thermo Hypersil BDS and Thermo Hypersil GOLD respectively.

- **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**

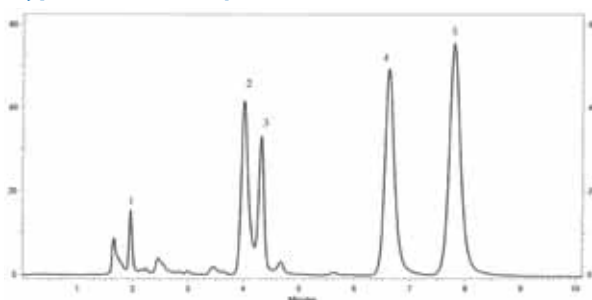
Long column lifetimes with consistent reproducibility are standard for the TELOS Commercial Equivalent Media Columns, and more importantly, excellent efficiencies, peak shape and resolution are obtained for all Thermo Hypersil, Thermo Hypersil BDS and Thermo Hypersil GOLD HPLC applications.

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
<b>TELOS HY GOLD C18</b>	
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
<b>TELOS HY GOLD C8</b>	
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
<b>TELOS HY GOLD AQ</b>	
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
<b>TELOS HY GOLD C18</b>	
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
<b>TELOS HY GOLD C8</b>	
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
<b>TELOS HY GOLD AQ</b>	
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
<b>TELOS HY BDS C18</b>	
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
<b>TELOS HY BDS C8</b>	
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
<b>TELOS HY ODS</b>	
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
<b>TELOS HY ODS2</b>	
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
<b>TELOS HY MOS</b>	
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
<b>TELOS HY MOS2</b>	
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
<b>TELOS HY SAS</b>	
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
<b>TELOS HY Phenyl</b>	
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
<b>TELOS HY BDS Phenyl</b>	
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
<b>TELOS HY BDS C8</b>	
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
<b>TELOS HY Phenyl</b>	
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
<b>TELOS HY Phenyl-2</b>	
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
<b>TELOS HY CPS</b>	
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
<b>TELOS HY CPS-2</b>	
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
<b>TELOS HY APS-2</b>	
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
<b>TELOS HY Silica</b>	
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
<b>TELOS HY SAX</b>	
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.

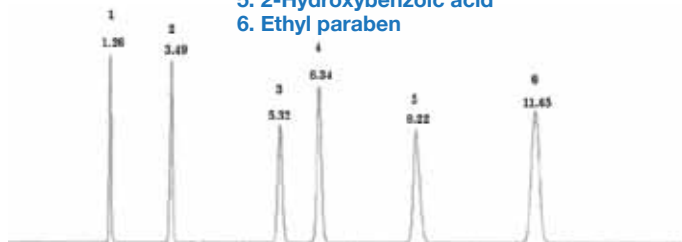
- The TELOS AC Commercial Equivalent Media range is identical to ACE
- TELOS AC - available in AQ, C18, C18 HL, C4, C8, CN and Phenyl bonded phases
- TELOS AC - is manufactured using ultra-pure silica exhibiting extremely low silanol activity
- TELOS AC - columns provide unsurpassed peak shapes and efficiencies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

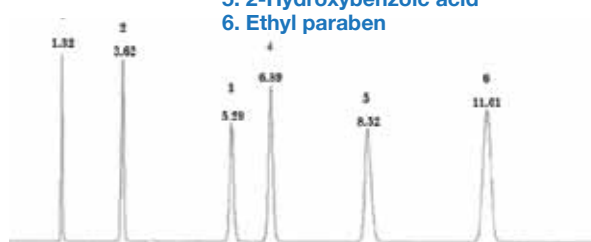
1. Uracil
2. 4-Hydroxybenzoic acid
3. Acetylsalicylic acid
4. Benzoic acid
5. 2-Hydroxybenzoic acid
6. Ethyl paraben



## 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
<b>TELOS AC AQ</b>	
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
<b>TELOS AC C18</b>	
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
<b>TELOS AC C18 HL</b>	
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
<b>TELOS AC C4</b>	
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
<b>TELOS AC C8</b>	
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
<b>TELOS AC CN</b>	
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
<b>TELOS AC Phenyl</b>	
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.



# Global Kinesis

**Kinesis is a leading international supplier of chromatography, liquid handling, sample storage and medicinal chemistry consumables and equipment. The company's products are used extensively in the pharmaceutical, environmental, forensic, life sciences, food, biotechnology and academic markets.**

A privately owned company, Kinesis was established in 1997 and offers its customers a range of first class products, services and solutions. Kinesis has expanded its reach internationally with subsidiary offices in Australia, Germany and the USA. A network of international distributors ensures the Kinesis range of products is available on a worldwide basis.

Kinesis work with industry leading manufacturers, many on a global exclusive or preferred supplier basis. Key suppliers to the Kinesis Group include AccuStandard, Cerilliant, ChromSword, Corning, Diba Industries, GL Sciences, Hamamatsu, Heraeus, HTL, IDEX Health & Science, Lipomed, Micronic, Microsaic, Parker domnick hunter, SGE Analytical Science, Tosoh Bioscience and YMC.

The Kinesis UK facility houses state of art processes for the pre-alignment of deuterium lamps. Approved by the world's two leading lamp manufacturers, Hamamatsu and Heraeus, these accredited processes have helped Kinesis become the world's largest 3<sup>rd</sup> party provider of pre-aligned deuterium lamps. Pipette service and calibration suites at both the UK and German locations offer back to base or field-based pipette service and calibration. The UK facility is UKAS accredited, offering services in line with today's market requirements.

KLTD-1536-0915



TELOS is a registered trademark of Kinesis Ltd.  
Kinesis recognises all trademarks and registered trademarks. E&OE



[sales@kinesis-group.com](mailto:sales@kinesis-group.com) [kinesis-group.com](http://kinesis-group.com)