

**Exmere**

*Silica Engineering*

**Exsil**

**Product**

**Range**

# HPLC/UHPLC SILICA GEL

## Exsil 80

Alternative to Spherisorb range of phases.

Pore Size: 90(+/-3)Å,

Pore Volume: 0.51 ml/g,

Surface Area: 230 m<sup>2</sup>/g

Particle sizes: 1.5, 3, 5,7 and 10 µm

Phases: Silica, ODS, ODS-1, C8, C6, C1 (TMS), Phenyl, Amino, Nitrile, SAX.

## Exsil 100

slightly lower retention than Exsil 80 using different silica base. Extended range of bonded phases including 1.5 µm.

Pore Size: 100 (+/-3) Å,

Pore Volume: 0.52 ml/g,

Surface Area: 210 m<sup>2</sup>/g

Particle sizes: 1.5, 3, 5,7, 10, 12 and 15 µm

Phases: Silica, ODS, ODS-1, ODS-B, ODS-AB, C8, C8B, C8AB, C6, C1 (TMS), Phenyl, Amino, Nitrile, SAX and SCX.

## Exsil Clasico

Closest alternative to Spherisorb.

Particle sizes: 1.5, 3, 5, and 10µm

Phases: Silica, ODS-2, ODS-1, C8, and Phenyl.

## Exsil PLUS

Acid/base and chelate deactivated. Uncapped for different selectivity to standard BDS media.

Pore size: 100 Å, 300Å

Pore Volume: 0.52 ml/g and 0.78 ml/g

Surface Area: 210 m<sup>2</sup>/g and 140 m<sup>2</sup>/g

Particle sizes: 1.5, 3, 5,7 and 10 µm

Phases: Silica, ODS and C8.

## Avanti

Alternative to Hypersil range of phases.

Extended range including 3µm and 1.5µm

Pore Size: 130 (+/-5) Å,

Pore Volume: 0.63 ml/g,

Surface Area: 195 m<sup>2</sup>/g

Particle sizes: 1.5, 3, 5, 7 and 10 µm

Phases: Silica, ODS, C8, Ph(1), CN(1) and NH<sub>2</sub>(2).

### Avanti BDS

Alternative to Hypersil BDS range of phases.  
Extended range including 3 µm and 1.5µm

Pore Size: 145 (+/-5) Å,  
Pore Volume: 0.68 ml/g,  
Surface Area: 185 m<sup>2</sup>/g  
Particle sizes: 1.5, 3, 5, 7 and 10 µm  
Phases: Silica, C8, CN, C18 and Quattro.

### Exsil 300

Alternative to Vydac TP phases

Pore Size: 300(+/-10) Å,  
Pore Volume: 0.78 ml/g,  
Surface Area: 100 m<sup>2</sup>/g  
Particle sizes: 3, 5, 7 and 10 µm  
Phases: Silica, ODS, C8, C4, Diphenyl, PAH and HAAX.

### Exsil 500

High pore volume for use in GPC.

Pore Size: 500 (+/-15) Å,  
Pore Volume: 1 ml/g,  
Surface Area: 80 m<sup>2</sup>/g  
Particle sizes: 5 and 10 µm  
Phases: Silica.

### Exsil 1000

High pore volume for use in GPC.

Pore Size: 1000 (+/-20) Å,  
Pore Volume: >1 ml/g  
Particle sizes: 5 and 10 µm  
Phases: Silica, Amino and ODS

### Exsil Pure

Ultra pure Silica (Type B)

Pore Size: 120 Å,  
Pore Volume: 0.68 ml/g  
Particle sizes: 1.5, 3, 5, 7 and 10 µm  
Phases: Silica, Amino, Nitrile and ODS

## GPC/SEC SILICA GEL

### Exsil GFC 3000

Exsil GFC 3000 has been developed to match the high efficiency of the TSK 3000 product

Phase: Stable High Polarity (pH 2-7.5)  
Base Silica: Exsil 3000S, high purity Silica  
Particle Size: 5 µm  
Pore Size: 235 Å  
Pore Volume: 1.2 cc/g

### Exsil GFC 4000

Exsil GFC 4000 has been developed to match the high efficiency of the TSK 4000 product

Phase: Stable High Polarity (pH 2-7.5)  
Base Silica: Exsil 4000S, high purity silica  
Particle Size: 5 µm  
Pore Size: 400Å  
Pore Volume: 1.2 cc/g

### Exsil GFC 5000

Exsil GFC 5000 has been developed to match the high efficiency of the TSK 5000 product

Phase: Stable High Polarity (pH 2-7.5)  
Base Silica: Exsil 5000S, high purity silica  
Particle Size: 5 µm  
Pore Size: 800Å  
Pore Volume: 1.2 cc/g

## NON POROUS SILICA GEL

### Exsil NP

Monodispers non porous Silica Spheres .  
Alternative to Micra and Kovasil

Purity: 99.99 % SiO<sub>2</sub>  
Diameter: 0.5 , 1.0 and 1.5 µm other diameters on request  
Phases: Amino, Thiol, C1, C8, C16, C18 other modifications on request

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## **Exmere Ltd.**

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