

# ExmERE Ltd.

Silica Engineering

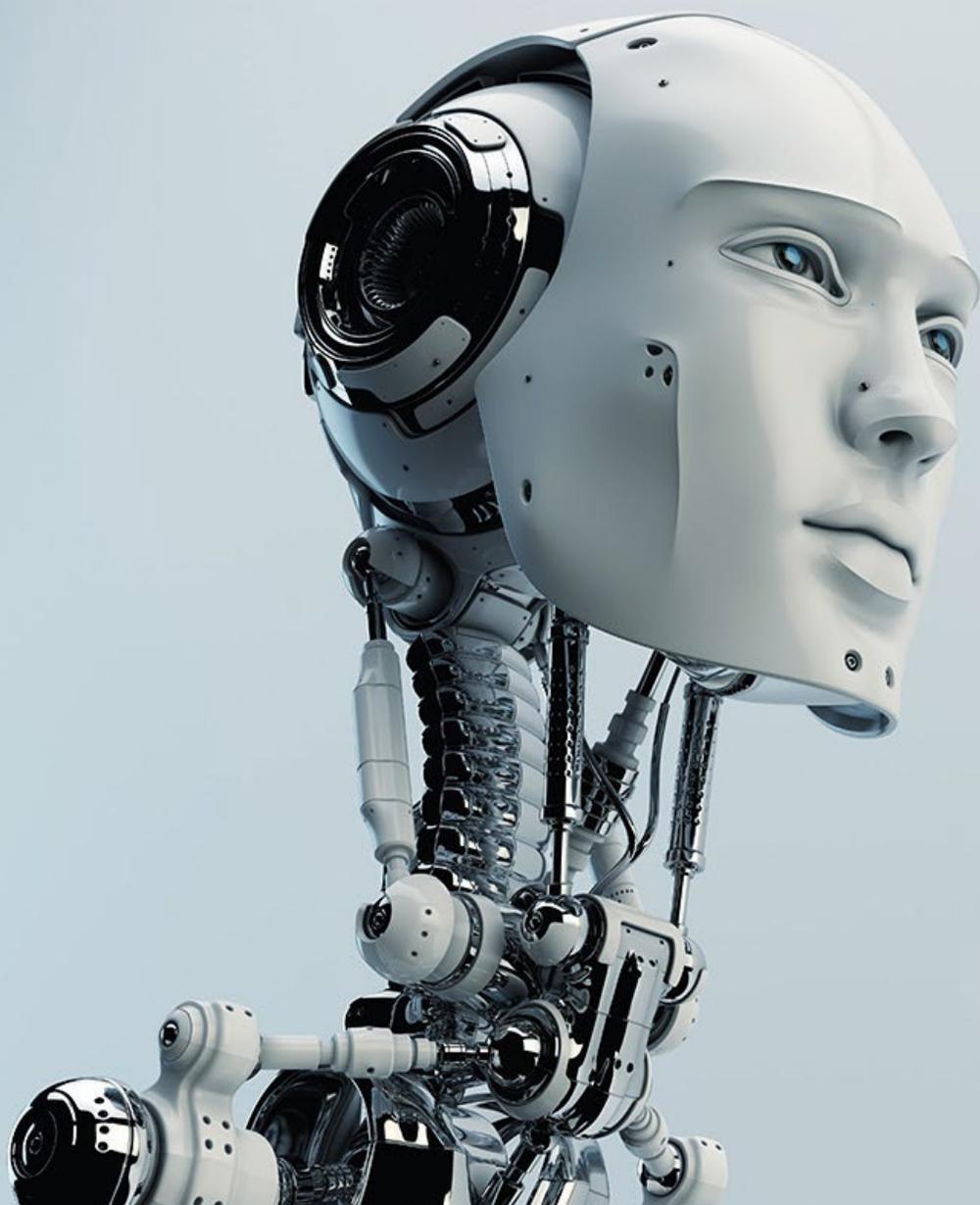
MonoSil™  
Exsil Mono™

Ultra High Purity Phases

Over 30 Years of Experience

## Exsil™ Mono

The Next Generation of Silica



Discover new Possibilities

## Silica Bulk for HPLC

The Best For The Best

- High Efficiency and Perfect Reproducibility
- Monosized Silica Particles

- Exceptional Performance

Exsil Mono	Specifications
Phase	Si, C8 and C18 (others on request)
Encapping	yes
Typical Efficiency	>90,000 plates/m (for 5µm)
Surface Area	350 m <sup>2</sup> /g, 100 m <sup>2</sup> /g
Pore Size	100Å, 300Å
Particle Size	1.7, 3, 5, 7 and 10µm

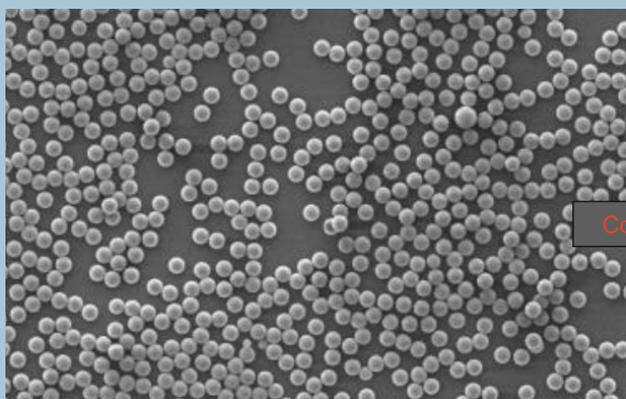
## Why Exsil Mono?

Exmere Ltd. sets a new standard in HPLC packing media. We make everything - from the silica particle to the finished product. Our unique manufacturing process allows to deliver the highest performance, at an exceptional value!

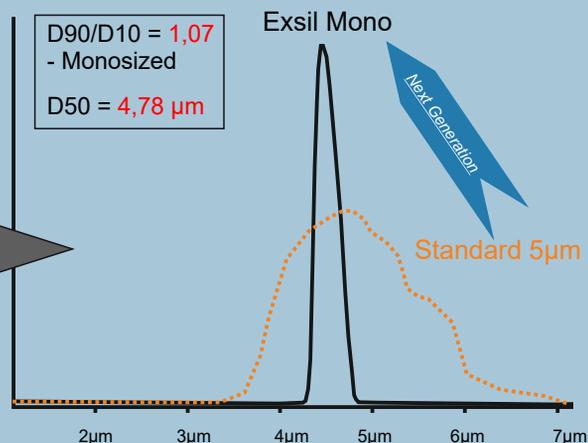
## Benefits

- + Lower backpressure
  - + Higher Performance
  - + Easy Column Packing
  - + Fully Scalable from UPLC to Prep.
  - + Perfect particle strength
  - + Unique bonding technology
  - + High Loading Capacity
  - + Very High Alkyl Loaded (pH stable up to 11)
  - + Available up to 250 g
    - + Tailormade Modifications on Request!
- We are optimising your application**

## Exsil Mono 100 Si, 5µm



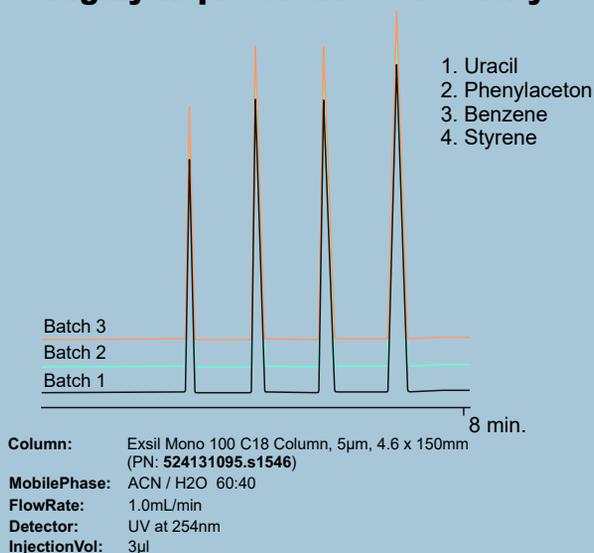
Coulter Counter



## Reproducible Methods ,Start with Reproducible Silica Bulk

Our tightly controlled silica synthesis and bonding keep capacity factor and selectivity variations to a minimum. The advanced packing methods deliver consistently high column-to-column efficiency.

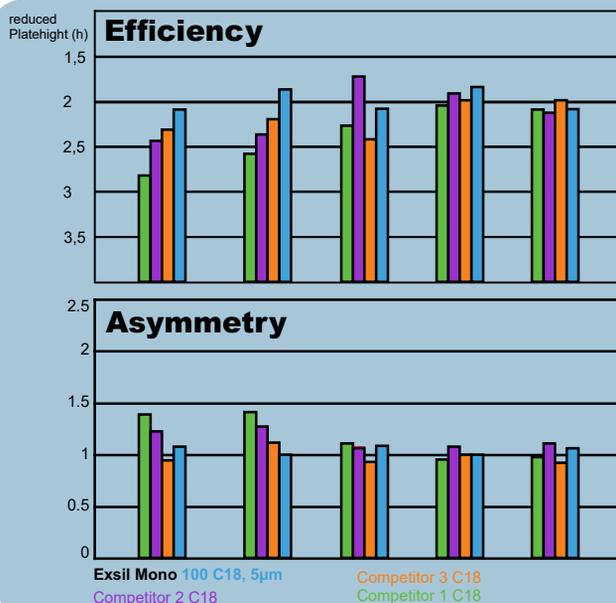
## Highly Reproducible Selectivity



Consistent batch-to-batch capacity

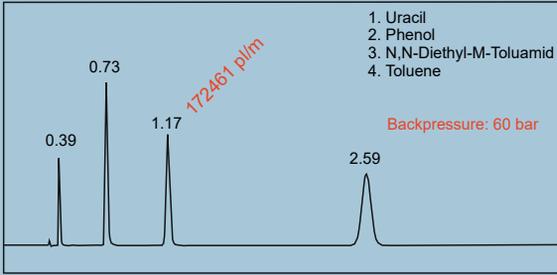
## Expect Competitive Performance

Exsil Mono columns show equal or better efficiency and symmetries for challenging base and acid components in comparison to industry leading columns



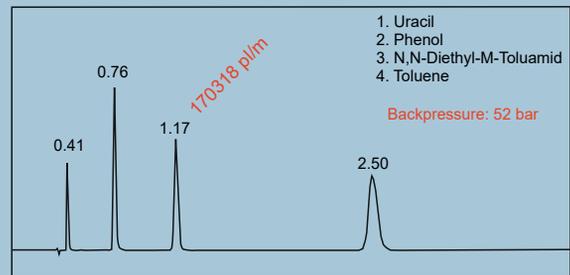
Exsil Mono columns compares favorable to leading competitor columns

## Exsil Mono 100 C18, 3µm



**Column:** Exsil Mono 100 C18 Column, 4.6 x 150mm  
(PN: 5136783.s1546)  
**MobilePhase:** ACN / H2O 60:40  
**FlowRate:** 1.0mL/min  
**Detector:** UV at 254nm  
**InjectionVol:** 3µl

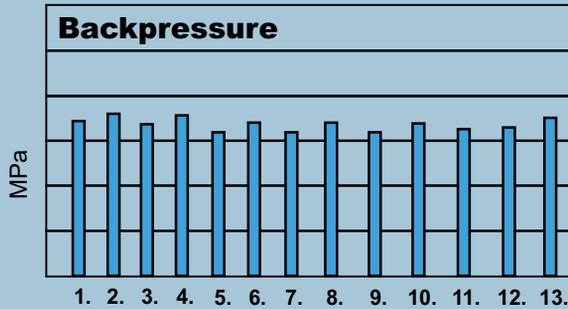
## Competitor K 100 C18, 3.5µm



**Column:** Column K 100 C18 Column, 4.6 x 150mm  
**MobilePhase:** ACN / H2O 60:40  
**FlowRate:** 1.0mL/min  
**Detector:** UV at 254nm  
**InjectionVol:** 3µl

## Choose Exsil Mono for Preparative Separation

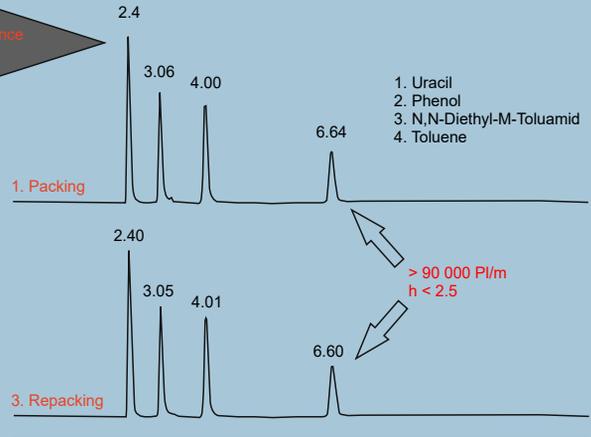
### DAC Column Packing MODcol Spring Column 1"



- Exsil Mono 100 C18, 5µm
- No pressure increase after 13 Repacking Cycles

Same performance  
after repacking

### DAC Column Performance



**Column:** Exsil Mono 100 C18, 5µm (PN: 5136784.SC2525)  
**Dimension:** 150 x 25 mm  
**Mobile Phase:** MeOH/H2O 80/20  
**Flow:** 20 ml/min  
**Detector:** UV at 254 nm

packed by

**Dr. Maisch GmbH**

Any Column, Any Size, Any Media

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**Discover new Possibilities**

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