

## Guaranteed Replacement to $\mu$ Bondapak®

- Highly reproducible
- Long column life
- Mimics performance of Waters®  $\mu$ Bondapak®
- Economically priced

Phenomenex Bondclone columns have been developed to provide chromatographic behavior that mimics that of Waters  $\mu$ Bondapak columns. For comparative applications, please contact your local Phenomenex representative.

### Bondclone Reproducibility

Phenomenex Bondclone material is made in huge batches (several years' supply at a time), so column-to-column reproducibility is excellent. Bondclone columns are always in stock and available for immediate shipment.

If Bondclone analytical columns do not provide you with at least equivalent separations to a  $\mu$ Bondapak column of the same phase, particle size and dimension, return the column with comparative data within 45 days for a FULL REFUND.

### Bondclone Silica Physical Properties

Nominal Particle Size	BET Surface Area	Pore Volume*	Pore Size**
10 $\mu$ m	296.0 m <sup>2</sup> /g	1.1 cc/g	148.7 Å

\*Single point total pore volume.

\*\*Average pore diameter (4V/A by BET).

Data provided by an independent laboratory.

### Ordering Information and Cross-Reference Chart

Waters					Phenomenex	SecurityGuard™ Cartridges (mm)
Description (mm)	Part No.	Part No.	Description (mm)	Price	4 x 3.0	
$\mu$ Bondapak C18 300 x 3.9	WAT027324	00H-2117-CO	Bondclone C18 300 x 3.9		/ 10pk AJ0-4287	
$\mu$ Bondapak C18 150 x 3.9	WAT086684	00F-2117-CO	Bondclone C18 150 x 3.9		AJ0-4287	
—	—	00G-2117-E0	Bondclone C18 250 x 4.6		AJ0-4287	
$\mu$ Bondapak C18 Radial-Pak Cartridge 100 x 8	WAT085721	00D-2117-L0	Bondclone C18 100 x 8 (S.S. Column)		AJ0-4287	
$\mu$ Bondapak Phenyl 300 x 3.9	WAT027198	00H-3129-CO	Bondclone Phenyl† 300 x 3.9		AJ0-4351	
$\mu$ Bondapak CN 150 x 3.9	WAT086688	00F-3127-CO	Bondclone CN 150 x 3.9		AJ0-4305	
—	—	00H-3127-CO	Bondclone CN 300 x 3.9		AJ0-4305	
$\mu$ Bondapak NH <sub>2</sub> 300 x 3.9	WAT084040	00H-3128-CO	Bondclone NH <sub>2</sub> 300 x 3.9		AJ0-4302	
$\mu$ Porasil Silica 300 x 3.9	WAT027477	00H-2119-CO	Bondclone Silica 300 x 3.9		AJ0-4348	

for ID: 3.2-8.0 mm

†Bondclone phenyl phase uses a different silica than other phases in the Bondclone series.

SecurityGuard™ Analytical Cartridges require universal holder Part No.: KJO-4282

### Guard Column

Size (mm)	C18	Price
Conventional Guard Column 30 x 3.9	03A-2117-CO	

Архангельск (8182)63-90-72  
Астана (7172)727-132  
Астрахань (8512)99-46-04  
Барнаул (3852)73-04-60  
Белгород (4722)40-23-64  
Брянск (4832)59-03-52  
Владивосток (423)249-28-31  
Волгоград (844)278-03-48  
Вологда (8172)26-41-59  
Воронеж (473)204-51-73  
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06  
Ижевск (3412)26-03-58  
Казань (843)206-01-48  
Калининград (4012)72-03-81  
Калуга (4842)92-23-67  
Кемерово (3842)65-04-62  
Киров (8332)68-02-04  
Краснодар (861)203-40-90  
Красноярск (391)204-63-61  
Курск (4712)77-13-04  
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13  
Москва (495)268-04-70  
Мурманск (8152)59-64-93  
Набережные Челны (8552)20-53-41  
Нижний Новгород (831)429-08-12  
Новокузнецк (3843)20-46-81  
Новосибирск (383)227-86-73  
Омск (3812)21-46-40  
Орел (4862)44-53-42  
Оренбург (3532)37-68-04  
Пенза (8412)22-31-16

Пермь (342)205-81-47  
Ростов-на-Дону (863)308-18-15  
Рязань (4912)46-61-64  
Самара (846)206-03-16  
Санкт-Петербург (812)309-46-40  
Саратов (845)249-38-78  
Севастополь (8692)22-31-93  
Симферополь (3652)67-13-56  
Смоленск (4812)29-41-54  
Сочи (862)225-72-31  
Ставрополь (8652)20-65-13

Сургут (3462)77-98-35  
Тверь (4822)63-31-35  
Томск (3822)98-41-53  
Тула (4872)74-02-29  
Тюмень (3452)66-21-18  
Ульяновск (8422)24-23-59  
Уфа (347)229-48-12  
Хабаровск (4212)92-98-04  
Челябинск (351)202-03-61  
Череповец (8202)49-02-64  
Ярославль (4852)69-52-93