

# VertiSep™ IRS

## VertiSep™ IRS HPLC Columns

- An excellent alternative to Waters®  $\mu$ Bondapak™ at a reasonable lower price
- Most methods on  $\mu$ Bondapak™ can be transferred to VertiSep™ IRS
- Excellent Column-to-Column reproducibility
- Full guarantee



VertiSep™ IRS packings were developed to provide a physical and performance characteristics very similar to those of Waters®  $\mu$ Bondapak™.

VertiSep™ IRS packings provide the results indicated comparable capacity, selectivity efficiency and peak symmetry when compared to  $\mu$ Bondapak™. Most methods developed on  $\mu$ Bondapak™ can be transferred to VertiSep™ IRS, even for USP applications.

VertiSep™ IRS packings are manufactured to minimize lot-to-lot variation with a strict QC program to ensure excellent column-to-column reproducibility.

VertiSep™ IRS packings are guaranteed separations of your samples will be comparable to separations with  $\mu$ Bondapak™ columns. If VertiSep™ IRS does not meet your satisfaction, send in comparative data within 45 days and keep VertiSep™ IRS column for FREE.

### VertiSep™ IRS Packing Specifications

Packing	Particle Size ( $\mu$ m)	Carbon Load (%)	Pore Size (Å)	Pore Volume (mL/g)	Surface Area (m <sup>2</sup> /g)	End Capped
C18	10	10	125	1.0	300	Yes
Ph	10	9	125	1.0	300	Yes
CN	10	6	125	1.0	300	Yes
NH2	10	4	125	1.0	300	No
Si	10	-	125	1.0	300	No

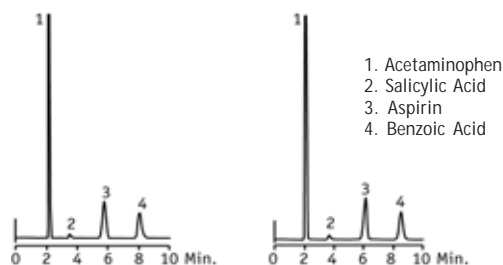
### Packing Characteristics Comparison

	$\mu$ Bondapak™ C18	VertiSep™ IRS C18
Particle Shape	Irregular	Irregular
Particle Size	10 $\mu$ m	10 $\mu$ m
Pore Size	125 Å	125 Å
Surface Area	300 m <sup>2</sup> /g	300 m <sup>2</sup> /g
Carbon Load	10%	10%
Endcapped	Yes	Yes

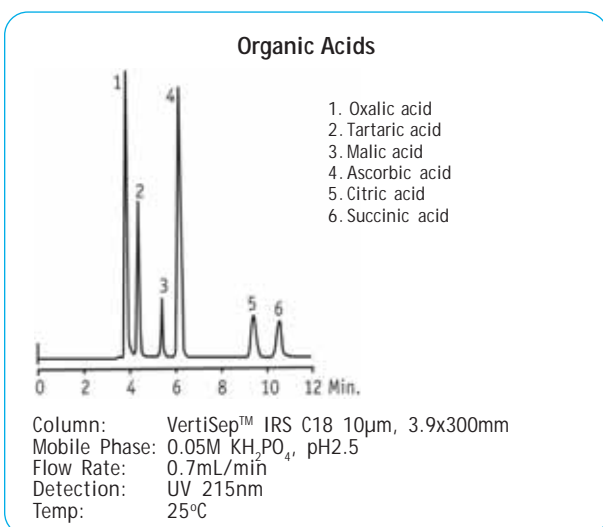
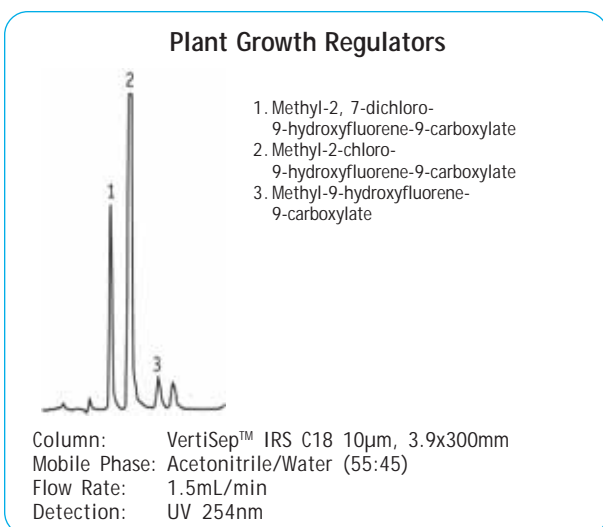
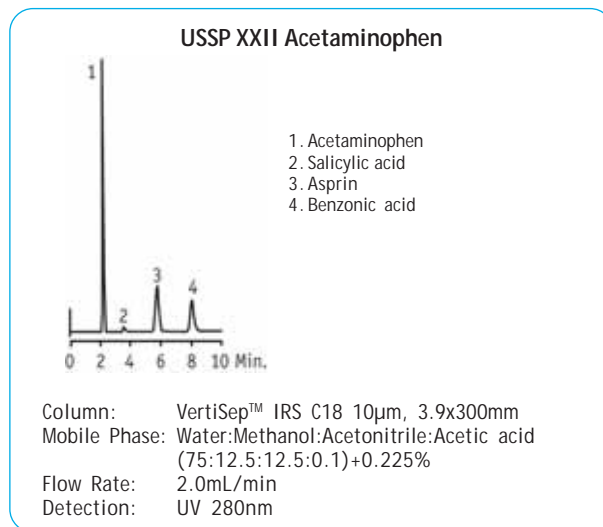
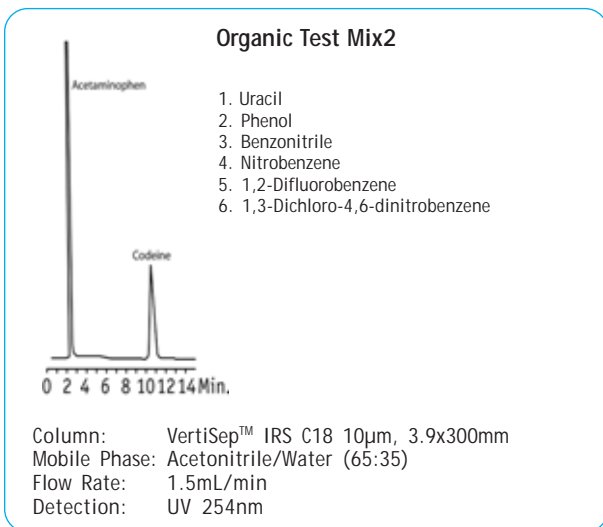
### USP XXII Acetaminophen and Aspirin Tablets Method

VertiSep™ IRS C18

$\mu$ Bondapak® C18



Column: 10 $\mu$ m, 3.9x300mm  
 Mobile Phase: 0.225% Tetramethylammonium Hydroxide Pentahydrate in a mixture of Water: Methanol:Acetonitrile:Acetic Acid (75:12.5:12.5:0.1)  
 Flowrate: 2mL/min  
 Detection: UV280nm



#### VertiSep™ IRS Columns

Packing	Particle Size (µm)	Formats	I.D. Length (mm)	Part No.
C18	10	Analytical	3.9 x 150	03GA-L432
	10	Analytical	3.9 x 300	03GA-L932
Ph	10	Analytical	3.9 x 150	03GD-L432
	10	Analytical	3.9 x 300	03GD-L932
CN	10	Analytical	3.9 x 150	03GE-L432
	10	Analytical	3.9 x 300	03GE-L932
NH2	10	Analytical	3.9 x 150	03GF-L432
	10	Analytical	3.9 x 300	03GF-L932
Si	10	Analytical	3.9 x 150	03GG-L432
	10	Analytical	3.9 x 300	03GG-L932

#### VertiSep™ IRS Guard Cartridges\*, 2/PK

Packing	Particle Size (µm)	Formats	I.D. Length (mm)	Part No.
C18	10	Guard	3.9 x 10	03GA-L132
Ph	10	Guard	3.9 x 10	03GD-L132
CN	10	Guard	3.9 x 10	03GE-L132
NH2	10	Guard	3.9 x 10	03GF-L132
Si	10	Guard	3.9 x 10	03GG-L132

\*Guard holder required

#### Guard Holder with Coupler

Guard Holder with Coupler	QTY	Part NO.
For column I.D. 2.1-7.8 mm	1	0300-0001

