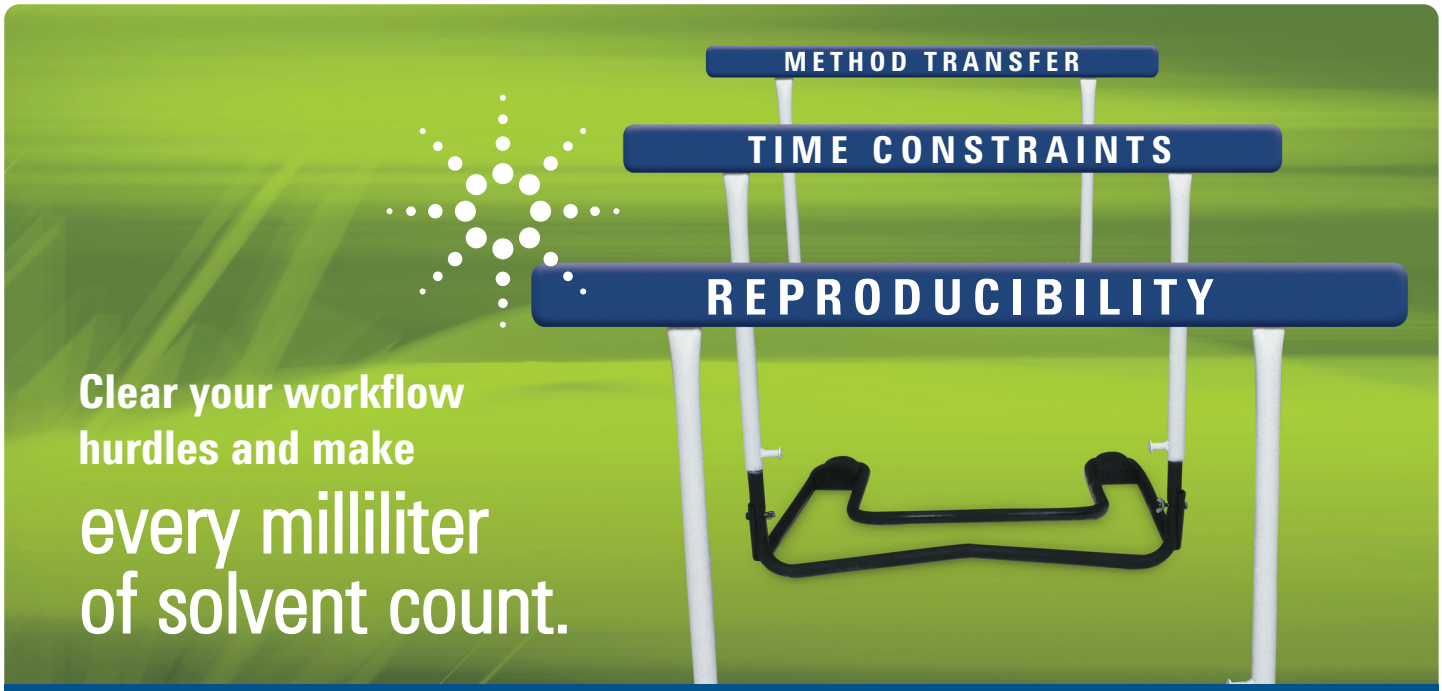


Agilent ZORBAX Solvent Saver and RRHT columns

A global shortage of Acetonitrile (ACN) – the most common organic HPLC solvent – is forcing labs to take strict measures toward controlling the amount of solvent used during each run. But the *good* news is... Agilent has a simple solution to meet this challenge:

Agilent ZORBAX Solvent Saver (3.0 mm I.D.) and Rapid Resolution High Throughput (RRHT)(1.8 µm) columns can reduce HPLC solvent waste by 50% or more.

With Agilent Solvent Saver and RRHT columns, you can:

- Dramatically decrease solvent usage while maintaining resolution and decreasing your analysis time.
- Lower your solvent disposal costs.
- Lengthen your periods of unattended operation.

Best of all, you don't have to change your bonded phase or modify your LC configurations. That's because ZORBAX Solvent Saver and RRHT columns are compatible with standard HPLC systems, and are available in all ZORBAX phases.

To learn how every drop of solvent can work harder for you, visit **www.agilent.com/chem/solventsaver1**

See other side for proof chromatograms.

Our measure is your success.

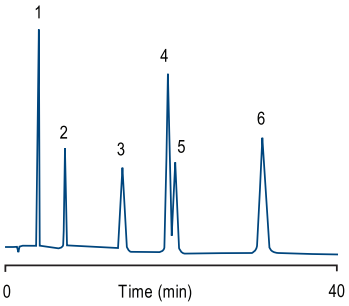
Agilent Technologies

These chromatograms prove that you can use less solvent without compromising your results.

Separation of Antibacterials on Columns Having Different Diameters

Column: ZORBAX SB-C18

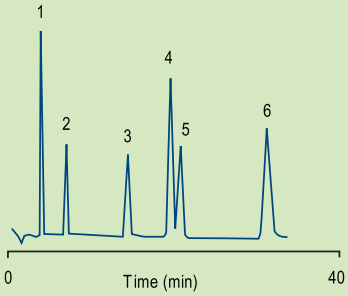
SB-C18
4.6 x 150 mm, 5 µm
Part No. 883975-902



Solvent Used: 31 mL

Flow Rate: 1.0 mL/min
Injected: 3 µL
Detector Cell Volume: 8 µL

Solvent Saver SB-C18
3.0 x 150 mm, 5 µm
Part No. 883975-302



Solvent Used: 15 mL

% Solvent Saved = 52%

Flow Rate: 0.5 mL/min
Injected: 2 µL
Detector Cell Volume: 8 µL

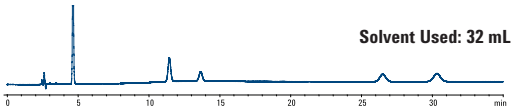
Mobile Phase*:	20% ACN: 80% Citrate/ phosphate pH 2.6 *200/87/713 ACN/ 0.2M Na_2HPO_4/ 0.1M Citric Acid
Temperature:	Ambient
Sample:	Antibacterials: 1. Sulfamerazine 2. Furazolidone 3. Oxolinic acid 4. Sulfadimethoxine 5. Sulfaquinioxoline 6. Nalidixic acid

ZORBAX Solvent Saver columns reduce solvent use by more than 50% – without changing your LC configuration.

Reduce Column Length, Particle Size for High Resolution with Solvent Savings

Eclipse Plus C18
4.6 x 250 mm, 5 µm
Part No. 959990-902

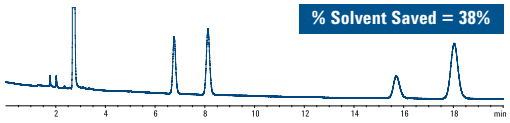
Solvent Used: 32 mL



Rapid Resolution Eclipse Plus C18
4.6 x 150 mm, 3.5 µm
Part No. 959963-902

Solvent Used: 20 mL

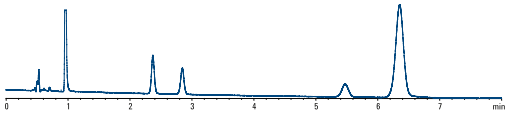
% Solvent Saved = 38%



Rapid Resolution HT Eclipse Plus C18
4.6 x 50 mm, 1.8 µm
Part No. 959941-902

Solvent Used: 7 mL

% Solvent Saved = 78%



Conditions:	A=pH 4.5 Na Acetate B= Methanol (60:40)
Flow Rate:	1.0 mL/min
Flow cell:	Micro/High Pressure 6 mm, 1.7 µL
Detection:	UV 254 nm

In this example, analysis time and solvent use were reduced by two thirds *without compromising resolution.*

Make smarter use of valuable solvents!

Go to **www.agilent.com/chem/solventsaver1**
You'll also find a link to the FDA Method Validation and Verification guidelines.

You can also call 800-227-9770 (in U.S. and Canada), or contact your local Agilent Representative or Agilent Authorized Distributor.

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