

DISCOVERY[®]

HPLC and SPE Products for Pharmaceutical Analysis and Purification

INTRODUCING

Discovery C8 HPLC Columns

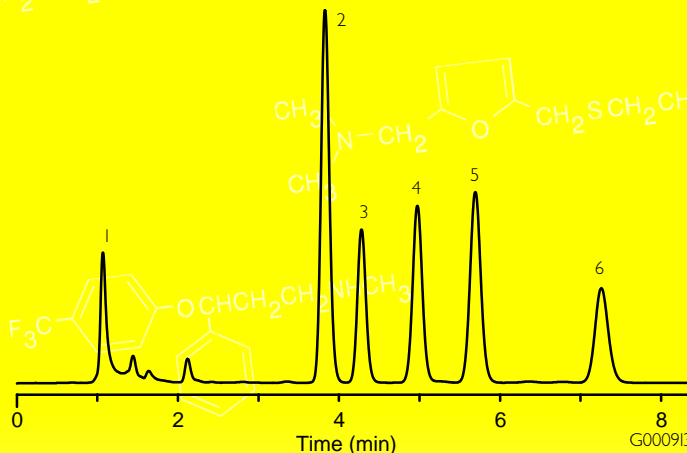
- excellent reproducibility
- faster separation of strongly hydrophobic analytes
- exceptional peak shapes for basic and acidic compounds
- excellent stability from pH 2 to pH 8
- compatibility with low organic/highly aqueous mobile phases
- suitability for LC/MS applications

HERE'S THE PROOF

Vitamins A, D, and E

Discovery C8 column,
15cm x 4.6mm, 5µm particles
acetonitrile:water (90:10)
2mL/min
1900psi
30°C
UV, 290nm
10µL sample

1. Retinol acetate (Vitamin A acetate)
2. Vitamin D
3. δ-Tocopherol
4. γ-Tocopherol
5. α-Tocopherol (Vitamin E)
6. α-Tocopherol acetate (Vitamin E acetate)

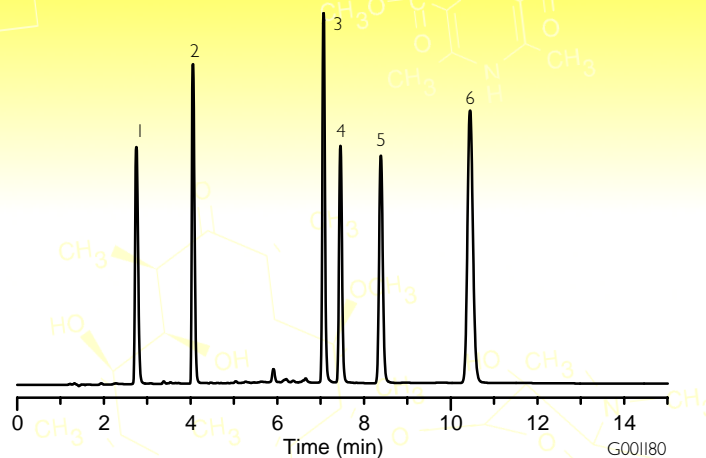


β-Lactam Antibiotics

Discovery C8 column,
15cm x 4.6mm, 5µm particles
1.5mL/min
A: 0.01% TFA in water
B: 0.01% TFA in MeCN
Gradient

Min	%B
0	5
5	35
20	35

1. Amoxicillin
2. Ampicillin
3. Piperacillin
4. Penicillin G
5. Penicillin V
6. Cloxacillin



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