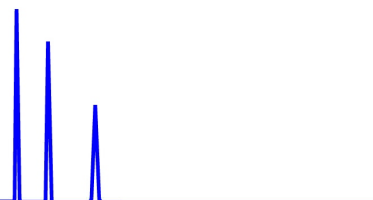




ZirChrom®

Technical
Bulletin #174



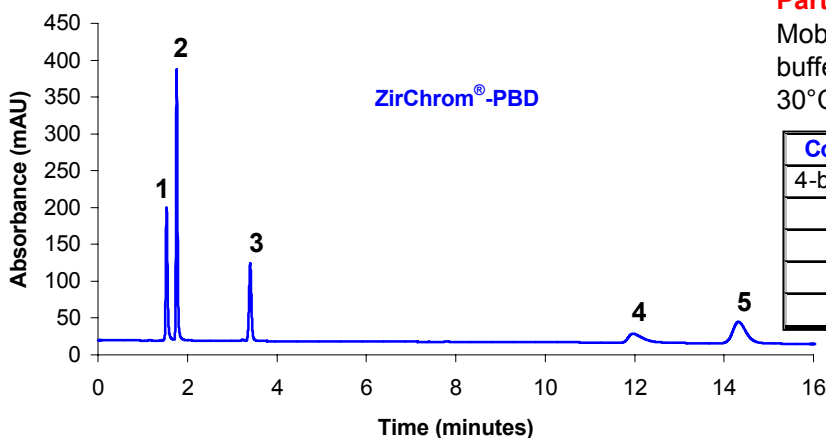
... For Peak Performance

ZirChrom®-PBD is the clear choice over Waters Symmetry® for basic compounds.

ZirChrom®-PBD columns offer a stable reversed-phase alternative to Waters Symmetry® columns for extreme chemical and thermal stability, while maintaining high column efficiency and excellent peak symmetry.

**ZirChrom®-PBD (3 µm) 150 x 4.6 mm
Part #ZR03-1546**

Mobile phase: 55/45 Acetonitrile/20 mM phosphate buffer, pH=7.0; Flow rate: 1.0 ml/min; Temperature: 30°C; Detector wavelength: 254 nm.



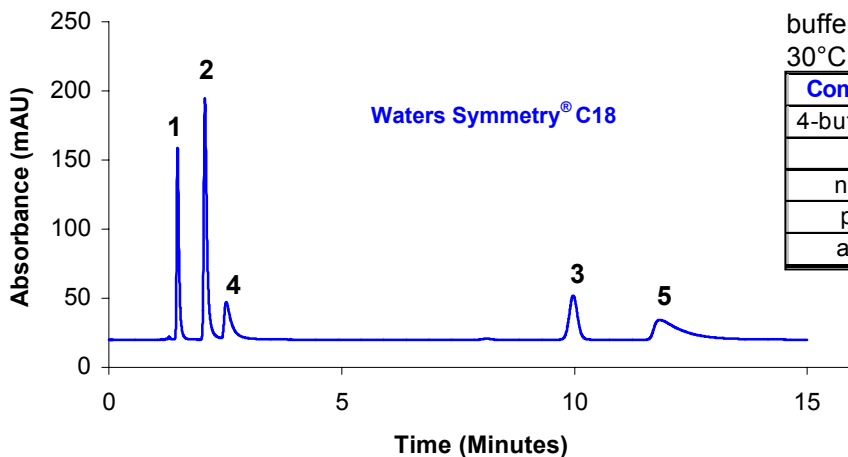
Compound Name	k'	Plates	Symmetry
4-butyl benzoic acid	0.00	9,000	0.71
pyridine	0.15	14,900	0.77
naphthalene	1.22	20,000	0.91
propranolol	6.80	7,000	0.46
amitriptyline	8.34	11,250	0.71

Analytes

- 1 - 4-butyl benzoic 2 - pyridine 3 - naphthalene
4 - propranolol 5 - amitriptyline

Waters Symmetry® C18 (3.5 µm) 150 x 4.6 mm

Mobile Phase: 55/45 Acetonitrile/20 mM phosphate buffer, pH=7.0; Flow rate: 1.0 ml/min; Temperature: 30°C; Detector wavelength: 254 nm.



Compound Name	k'	Plates	Symmetry
4-butyl benzoic acid	0.00	5,000	0.57
pyridine	0.40	5,500	0.51
naphthalene	5.76	15,400	0.92
propranolol	0.71	1,600	0.35
amitriptyline	7.02	2,350	0.24

Waters Symmetry® C18 is a registered trademark of Waters Corporation

