

Carbamazepine and phenytoin levels are tested to determine physiological levels in the blood stream upon treatment or misuse. On-line sample preparation/concentration using column switching enabled this analysis to be a fast, direct approach. The final analytical separation was performed using a ZORBAX SB-CN column. For details of the column switching technique visit the applications page of the ChromTech Website: http://www.chromtech.se/biotrap



F=1.0 ml/min, Det.: UV 210 nm

Highlights

- After on-line extraction, carbamazepine and phenytoin in a 200µL plasma sample were analyzed using a ZORBAX SB-CN column.
- The analytes eluted from the ZORBAX SB-CN column with excellent peak shape. ZORBAX StableBond columns operate optimally and with excellent stability at low pH.



Robert Ricker is an application chemist based at Agilent Technologies, Wilmington, Delaware.

For more information on our products and services, visit our website at: www.agilent.com/chem

Copyright[©] 2002 Agilent Technologies, Inc. All Rights Reserved. Reproduction, adaptation or translation without prior written permission is prohibited, except as allowed under the copyright laws.

For Research Use only. Not for use in diagnostic procedures.

Information is subject to change without notice.

Printed in the USA April 25, 2002 5988-6399EN



Agilent Technologies