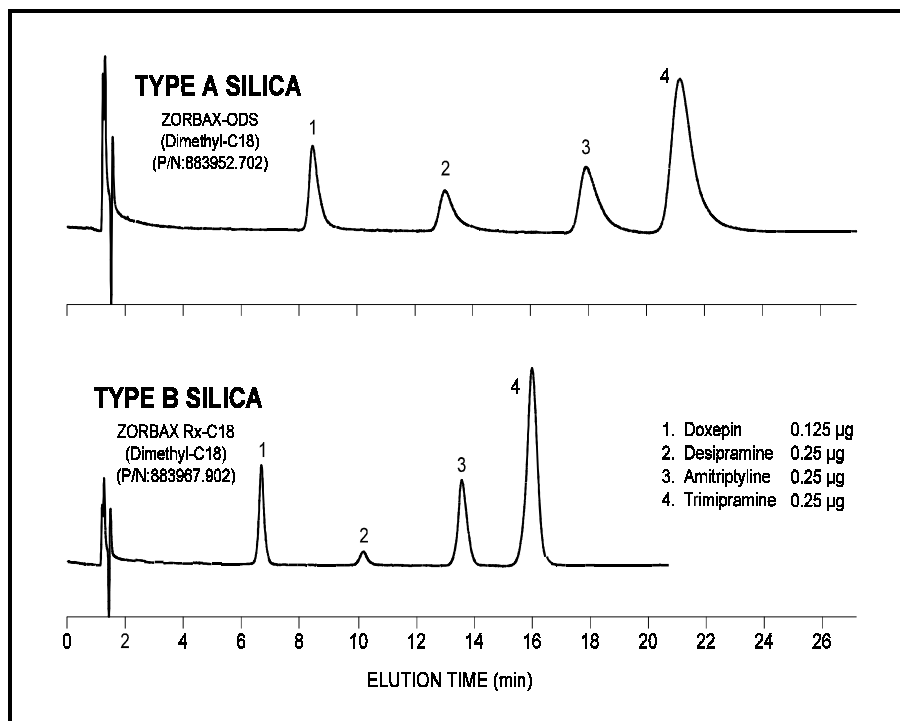


Effect of Silica-Support Type Reversed-Phase Separation of Tricyclic Antidepressants

Application Note

Clinical Research

Robert Ricker



Highlights

- Highly purified, less-acidic Type-B silica support (ZORBAX Rx-SIL) results in improved band shape and column efficiency for these basic drugs.
- Reduced retention for column with Type-B silica is due to lower surface area of its support.

Conditions:

ZORBAX Columns (4.6 x 150 mm) (Agilent P/N above)

Mobile Phase: 30% ACN, 70% 25mM Sodium phosphate buffer, pH 2.5,
0.2% TEA and 0.2% TFA;

1.0 mL/min, 40°C, Detect. UV(254 nm)



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Printed in the USA
April 25, 2002
5988-6470EN



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