

Waters column

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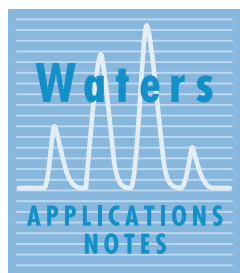
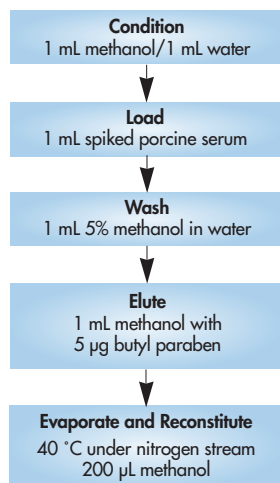
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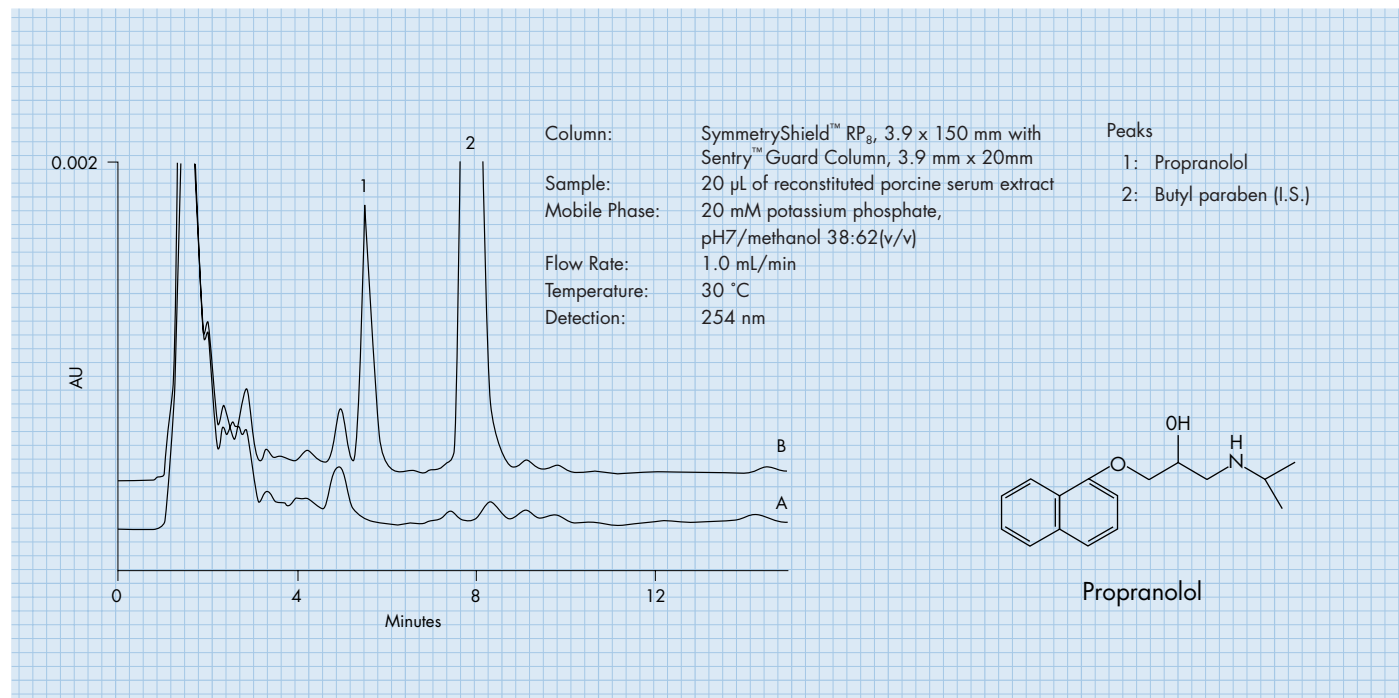
Antiarrhythmic: Propranolol

Solid Phase Extraction Procedure

Oasis™ HLB 1 cc Extraction Cartridge



Chromatogram of Serum Extracts: A) Blank B) Spiked Sample



System:

A Waters 717plus Autosampler and a 600E Multi Solvent Delivery System. Detection was by UV using a Waters 486 Tunable Absorbance Detector. Data Acquisition was performed using a Waters 860 Chromatography Data System. A 20 position vacuum manifold with a vacuum pump was used to process solid phase extraction cartridges.

SPE Spiked Serum Results

Drug	Concentration µg/mL	% Recovery	% RSD (n=6)
Propranolol	0.800	85.9%	2.1%
	4.00	96.4%	2.4%

For more information on

Oasis™ HLB extraction cartridges, please check box 11 on the Business Reply Card.

Waters 717plus Autosampler

The Waters 717plus Autosampler combines reliability, versatility and low cost of ownership into a fully automated, all-electric, easy-to-use instrument that will meet and exceed your requirements. The 717plus Autosampler incorporates a highly reliable and extremely precise fluid path design that is versatile enough to use for all your methods and applications. Advanced automation capabilities make it easy to develop methods using automated derivatisation techniques or to automatically add reference standards or diluents. The optional Heating/Cooling module allows you to work with a wide range of samples, from heat labile biological samples to viscous polymer samples, with exceptional precision and reliability.

The Waters 860 Networking Computer System

The Waters 860 is designed for large, multi-user, multisystem data network. Information processed and stored on the 860 can be shared among every chromatographer in your lab, while resources such as printers, plotters and storage facilities, can be easily shared and added. And the 860 offers unlimited expansion capabilities with the ease of single keyboard system control.

The Waters 486 Tunable UV/VIS Absorbance Detector

The performance you expect with the flexibility you need.

The Waters 486 Tunable UV/VIS Absorbance Detector is the highest performing UV/VIS detector with the flexibility to accommodate virtually all your HPLC applications. Our exclusive Taper-Cell® flow cell design eliminates refractive index effects, providing exceptional baseline stability.

- The 486 detector is tunable from 190 to 600 nm wavelength range with reproducibility and precision.
- The unique modular cell assemblies for microbore, analytical, preparative, high-pressure mass spectrometry, and nonmetallic flow paths give your application flexibility.

Waters 600E Multisolvent Delivery System

A no-compromise approach to single pump gradient systems

Waters 600E Multisolvent Delivery System offers no-compromise high-performance in a true single pump design. By combining two Waters patented technologies, time-proven solvent delivery and innovative Random Phase Synchronization (RPS™) software, we can offer you unmatched performance compared with any other single pump gradient system.

- An exceptionally wide total flow range from 0.01 to 20.00 mL/min (with 45.0 mL/min optional) gives you the versatility to perform analytical and semi-preparative separations.
- You can centralise operations through single-keyboard system programming with either the new Waters 600E controller or with an integral, on line PC.
- For comprehensive programming of all pump, autosampler, and detector parameters directly from the controller keypad, the PowerLine™ software embedded in the 600 controller allows you to store up to 15 completed instrument methods for easy method retrieval.
- By linking your 600E to the Millennium® 2010 Chromatography Manager, you can take advantage of complete system control and information management.