

Four Drug Mixture- Warfarin, Dextromethorphan, Triprolidine, and Tetracaine

Waters Corporation



This is an Application Brief and does not contain a detailed Experimental section.

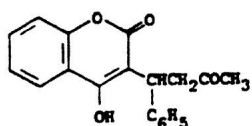
Abstract

This application brief demonstrates analysis of four drug mixture- warfarin, dextromethorphan, triprolidine, and tetracaine.

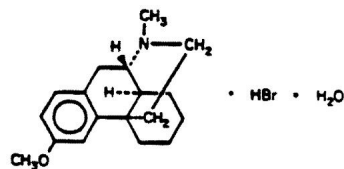
Introduction

The compounds used in this study are –

Compounds	USP Tailing Factors
Warfarin	1.3
Dextromethorphan HCL	1.6
Tripolidine HCL	1.1
Tetracaine	1.2



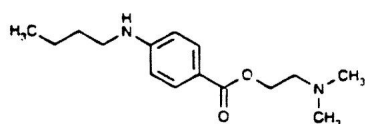
1. Warfarin



2. Dextromethorphan HCL



3. Triprolidine HCL



4. Tetracaine

Experimental

HPLC Method

Column:	Symmetry Shield RP ₁₈ , 3.9 x 150 mm, 5 µm
Part number:	186000108
Mobile phase A:	25 mM Potassium phosphate, pH 7
Mobile phase B:	Methanol
Flow rate:	1.0 mL/min
Injection volume:	10 µL of mixture with 0.3 mg/mL triprolidine, 0.4

mg/mL dextromethorphan, 0.15 mg/mL
tetracaine, and 0.05 mg/mL of warfarin

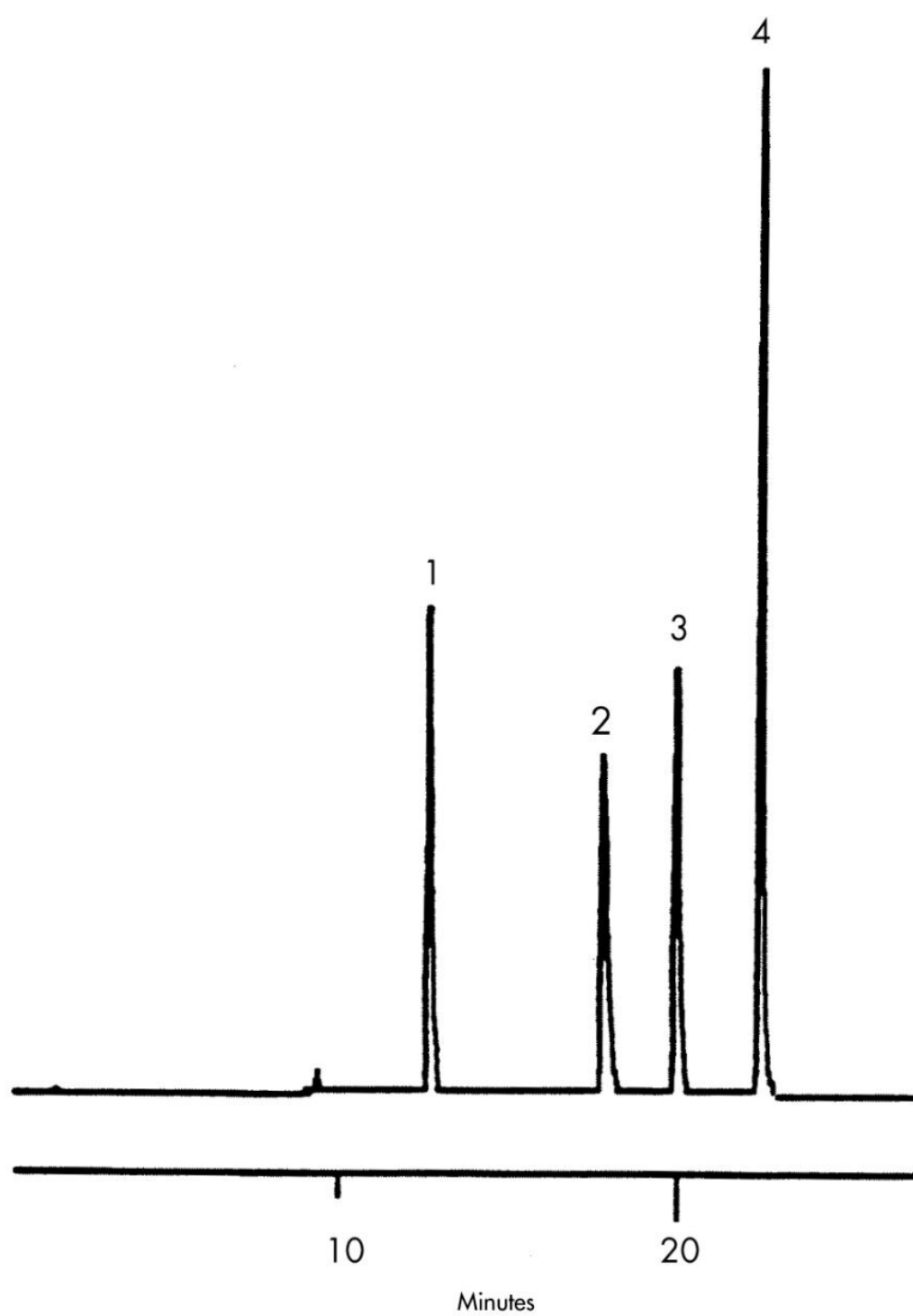
Detection:

UV @ 280 nm

Gradient

Time (min)	Profile	
	%A	%B
0	85	15
26	20	80

Results and Discussion



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